Advance Ticket Sales Booming For Next Week's Convair Open

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San Diego

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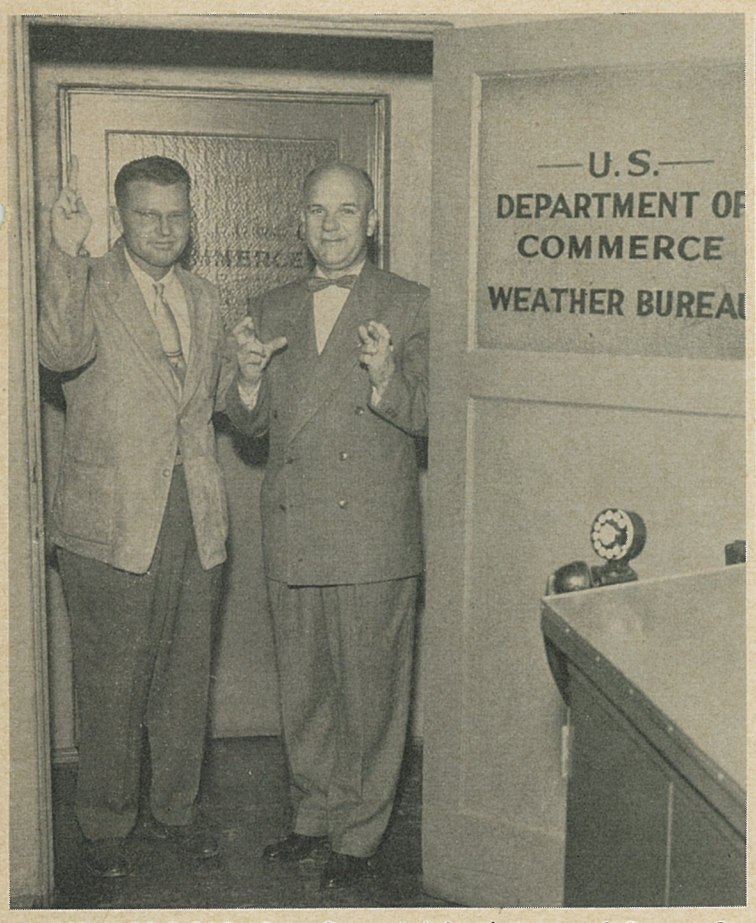


ADVANCE DOPE—Russ Osgood, left, chairman of Convair-San Diego 1955 Golf Open, and Fred Grossher, grounds chairman, keep fingers crossed as they visit weatherman for advance dope on what weather to expect Jan. 20-23 when tournament will be played.

Stage Set For Biggest And Best SD Golf Open

Advance ticket sales are building up rapidly for the Convair-San Diego P.G.A. Open Golf Tournament which starts next week over the Mission Valley links.

"Convair is responding strongly and we expect a particular run on the special $3 employee tickets which are good for the last two days of the tournament, Saturday and Sunday, Jan. 22 and 23," Russ Osgood, tournament chairman, said.

"The stage is set for the best—and biggest—San Diego Open in history. The field of professional golfers is outstanding. Mission Valley is a course ideal for the spectator. Parking facilities will be the best ever.

"If the weather will behave, we can't miss."

Next week will be a full jackpot for golf fans. Preceding the Open will be two days (Jan. 18 and 19) of brilliant shotmaking when teams representing the U. S. and Canada will play the fourth annual International P.G.A. Team Matches over the La Jolla Country Club course. At stake will be the Hopkins Trophy (named for John Jay Hopkins, president and founder of the International Golf Association, and also president and board chairman of General Dynamics Corporation).

Both season tickets for the Open ($4) and employee weekend tickets ($3) are on sale at Convair SD at employee service at both plants; at superintendents' offices in all buildings; at the cashier offices in Buildings 19 and 16; and at the engineering personnel office.

At Pomona they are on sale at employee service.

Children 15 and under, if accompanied by an adult, will be admitted free.

As it did last year, Convair is underwriting the $15,000 tournament. Proceeds, at least $1,000 guaranteed, go to the San Diego Society for Crippled Children.

There will be parking space for 5,000 cars, with entry either from

(Continued on Page 2)

GOING, GOING—Rita Tambornino, secretary to E. F. Jones, tournament director, can see daylight now as piles of tickets to 1955 Golf Open diminish as tourney nears. She has been "headquarters" for ticket supply.

Next Tuesday Will Be 'Movie Night' for SD

Next Tuesday, and succeeding Tuesdays for a six-week trial period, will be "Convair Night" at the Rio Theater, 3721 University, San Diego, featuring bargain rates for Convair SD employees and families. Tickets will be 25 cents for adults; 10 cents for children. Just show ID card.

Benefits Increased as New Insurance Plan Drafted at San Diego

An entirely new life and group insurance program, with the company bearing the financial load, will go into effect at the end of February for all Convair San Diego supervision, employees not represented by bargaining units, and members of the International Association of Machinists. Many group insurance benefits have been increased and a number have been added.

A similar program is under discussion for Convair Pomona.

Under the new program, which becomes effective Feb. 21, the company bears the premium cost for group insurance covering all those eligible. This includes "major medical" as well as the polio coverage.

Also Convair bears the cost of $5,000 life insurance for everyone eligible. Additional life insurance may be taken out by the individual to amounts depending upon pay range. Cost of this is exceptionally low, 50 cents a month per thousand.

All those who are not eligible for the new insurance (those at Convair SD represented by the Engineers and Architects Association and the International Brotherhood of Electrical Workers) continue to have the old group and life insurance program available to them.

Cards will be issued to all eligibles at San Diego during the last week of January. At that time, individuals will be given the opportunity to sign up for additional life insurance and also for the improved coverage for dependents. Cost of dependent coverage to the individual is $1.71 per week.

In order to have additional life and dependent insurance effective by Feb. 21, cards must have been checked and returned by Feb. 10, J. K. Field, chief of employee service at SD, announced.

"We strongly recommend that Convair men and women take full advantage of the additional life insurance available to them," Field said.

"The very low rate makes it an excellent business proposition to the individual who thinks enough of his family to give them the fullest protection—and I am sure that includes all Convair bread winners."

Among the changes in group insurance are:

Allowance for hospital rooms

(Continued on Page 2)

★ ★ ★ ★ ★ ★

Table Shows Amount Additional Life Insurance You Can Order

Hourly Rate (From—Through)	Amt. of Life Insurance Provided by Convair	Additional Life Insurance Which Can Be Ordered	Weekly Cost If Additional Is Ordered
Less than 1.44	$5,000.	—	—
$1.45—$2.45	$5,000.	$3,200.	$.37
$2.46—and over	$5,000.	$8,000.	$.92

Disabled Vets To Sort Rivets

Trucks began hauling away some 5,000 pounds of Convair San Diego salvage material this week that will provide jobs for about 40 disabled veterans for a month.

It is part of a contract signed last week between Convair and the Disabled American Veterans organization.

Work is to begin next Monday (Jan. 17) at the DAV sorting plant in San Diego where the disabled veterans will sort approximately 5,000 pounds each month of miscellaneous aircraft hardware, including nuts, bolts, rivets, clamps and screws.

Details of the contract were revealed by B. F. Coggan, manager at Convair SD, and Richard J. Cosgriff, DAV business manager.

Coggan pointed out that Convair's industrial engineering department has been investigating the project for several months. Previously, mixed hardware accumulated at Plants 1 and 2 was shipped to Los Angeles for proc-

(Continued on Page 2)

Latest Model F-102, Built in Record Time, Flies its Shakedowns

A later model of the Convair F-102 interceptor, designated the F-102A, has been undergoing flight tests at Edwards Air Force Base on the Mojave Desert, California, since before Christmas.

Announced last week, the modified version of the delta wing interceptor was completed at San Diego in a record 117 working days.

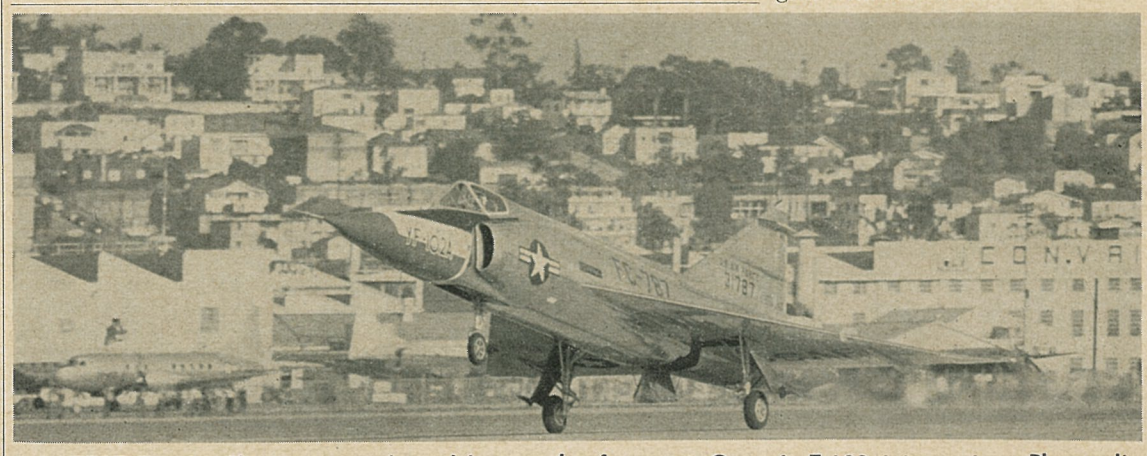
Following engine and taxi tests on Lindbergh Field, San Diego, the airplane was trucked to Edwards Dec. 16 and Engineering Test Pilot Richard Johnson made the shakedown Dec. 20. The following day the new ship performed supersonically in level flight—just six months after design work had been completed and manufacture begun.

Principal external difference between the F-102A and the prototypes that have been flying more than a year at Air Force test bases is a longer fuselage.

The after end of the fuselage is distinguished by two streamlined fairings. The delta-wing is unchanged except for cambered leading edges and swept-up wing tips.

The canopy has been redesigned to give the pilot greater visibility.

The F-102A is powered by a Pratt and Whitney J-57 jet engine with afterburner.



LATEST F-102—Photos were released last week of newest Convair F-102 interceptor. Plane, distinguished by longer fuselage than predecessors, broke sound barrier on second shakedown flight. It is shown during taxi test at San Diego.

★ ★ Log Book Entries ★ ★

Newest Convair San Diego men to join ranks of 15-year pin men include, left to right: Al Marus, Dept. 31; C. N. Thompson, Dept. 403; R. C. Dale, Dept. 37; J. S. Williams, Dept. 24-1; J. B. Gerding, Dept. 26-1; and C. E. Birch, Dept. 4-1.

Service Emblems

SAN DIEGO

Service emblems due during the period Jan. 1 through Jan. 15:

Thirty-year: Dept. 31, R. S. Carson. Dept. 406, E. H. Wesp. Dept. 603-1, Eugene Bitzer.

Twenty-five year: Dept. 28-1, W. C. Gilchrist.

Fifteen-year: Dept. 6, C. W. Chapman, H. F. Dunholter, J. B. Franklin, W. A. Pickens, D. D. Strange. Dept. 22-1, A. P. Sutton. Dept. 25-1, Carlo Bommarito, L. G. Mulryan, E. H. Schaller.

Dept. 27-3, G. W. Just. Dept. 31, M. H. Peet. Dept. 102, H. B. Bender. Dept. 115, F. J. Eppich Jr. Dept. 252, W. M. Holland. Dept. 300, D. L. Balch, A. L. Scheibel. Dept. 350, C. A. Bricknell.

Ten-year: Dept. 3-1, C. R. Livingstone. Dept. 6, J. K. Chott. Dept. 8-1, Gerard Lefeber. Dept. 14, P. P. Sanchez, P. L. Willis. Dept. 22-2, C. W. Robinson. Dept. 24-1, Mariana C. Costantino, J. H. Slovacek.

Dept. 25-1, C. R. Olmsted. Dept. 28-6, J. W. Smith. Dept. 52, G. R. Wilcox. Dept. 70, B. M. McClure. Dept. 225, C. D. Herrera. Dept. 258, O. L. Huffman. Dept. 340, Dorothy Kelley.

Five-year: Dept. 6, Vivian D. Moser, R. A. Sherman. Dept. 10, Leta R. Tinnin, Dorothy N. Weaver. Dept. 14, Dorothy C. Andrews. Dept. 22, Carolyn E. Breese, E. A. Montoya. Dept. 24, Julia M. Koulaxizes. Dept. 25, Elizabeth P. Keeling.

Dept. 28, J. P. Trainor. Dept. 31, Helen W. Lopez. Dept. 35, J. F. Marrs. Dept. 44, Antonio Rios. Dept. 52, J. E. Humphrey, R. G. Wright. Dept. 55, H. P. Wing. Dept. 57, H. F. Meyers. Dept. 70, J. L. Kizziar Sr., Thelma C. Nolte.

Dept. 102, J. H. Dunn. Dept. 110, E. M. Adams. Dept. 201, R. B. Freeman. Dept. 202, Vivian H. Hughes. Dept. 210, Alma B. Davenport, Ann C. Gwathmey. Dept. 212, Carrie B. Earle, P. C. Perdomo. Dept. 235, G. L. Miller. Dept. 250, Elizabeth B. Gwartney.

Dept. 350, W. I. Lane. Dept. 355, Dorothy T. Ford. Dept. 403, R. A. Goad. Dept. 407, L. W. Lind. Dept. 522, W. J. Beers, Lola G. Bryan, K. O. DeVeer. Dept. 524, G. T. Grimes. Dept. 528, Mary S. Peters. Dept. 603, D. C. Cooper, Viola W. Whitten, D. C. Zaworski.

POMONA

Fifteen-year: Dept. 6, G. E. Sylvester.

Ten-year: Dept. 6, L. J. Wetzler. Dept. 22-1, B. W. Cobb. Dept. 62, W. A. Robbins.

Five-year: Dept. 6, W. C. McCarson, K. L. McLellan, Norman Monsen. Dept. 22-5, J. E. Miller.

Training Classes

SAN DIEGO

BASIC ELECTRONICS—To start Jan. 17. Classes Mondays and Wednesdays, Room 10, Bldg. 32, Plant 1. Leonard H. Fugate, instructor. Second shift, 1:15 to 3:15 p.m.; first shift, 4 to 6 p.m.

BLUE PRINT READING—To start Jan. 18. Tuesdays and Thursdays, 1:15 to 3:15 p.m., Room 9, Bldg. 32, Plant 1. Werner A. Kuhtz, instructor.

INTERMEDIATE ELECTRONICS—To start Jan. 18. Second shift, Tuesdays and Thursdays, 1:15 to 3:15 p.m., Room 10, Bldg. 32, Plant 1. Jesse B. Baker, instructor.

MATHEMATICS, Refresher Course—To start Feb. 7. Mondays and Wednesdays, Room 9, Bldg. 32, Plant 1. Werner A. Kuhtz, instructor. Second shift, 1:15 to 3:15 p.m.; first shift, 3:45 to 5:45 p.m.

For further information contact Training Section office, Bldg. 14, Plant 1, ext. 491.

INTRODUCTION TO SUPERVISION—To start Feb. 7. Classes will meet Mondays 6:30 to 9:30 p.m., Room 209, San Diego Junior College Trade Center, 348 W. Market St. Instructor, M. S. Lachman, Convair training asst. supervisor.

New Books

SAN DIEGO

Following are the titles to new volumes recently added to the Convair Library at Plant 2 (Building 2, room 3-1, south end first mezzanine):

Airplane Design (10th Edition); Outline of Executive Development; Educational Film Guide (reference); Plastics Manual and Catalog; Frontiers of Man Controlled Flight; Introduction to Study of Industrial Relations; Skyrocketing Into the Unknown; Aircraft Yearbook—1953; D-C Power Systems For Aircraft; V-2; Aerodynamics; Electrical and Radio Dictionary; Fundamentals of Electricity; Fundamentals of Radio; Applied Drawing & Sketching; Manufacturing Processes—Materials; Manufacturing Processes—Production; Pattern Making; Logarithms Simplified; Plane Trigonometry Made Plain; How to Read for Self-Improvement; Metalworking Lubricants; Mathematics For Machinists; Mathematics of the Shops; Forming and Bending Kaiser Aluminum; Radar Electronic Fundamentals; U.S. Air Force Machinability Report; Treatise on Milling and Milling Machines; Adhesive Bonding of Metals; Jet Aircraft Simplified.

Awards

SAN DIEGO

Employee suggestion awards totaled $1,524.75 for the weeks ending Dec. 9 and Dec. 16, 1954:

Dept. 2, SD Manager: C. M. Ulrey.

Dept. 4, Material: M. D. Clark, C. A. Edmonson.

Dept. 10, Industrial Accounting: D. P. Lach.

Dept. 22, Manufacturing Control: F. H. Harding.

Dept. 28, Inspection: R. D. Johnson, K. Sinclair.

Dept. 30, Model 8 Final Assembly: H. A. Anderson.

Dept. 52, 340 Wing: R. E. Edwards, L. V. Nowak.

Dept. 56, 340 Primary: E. J. Hansen.

Dept. 57, 340 Final: R. L. Bevier, C. R. Woods.

Dept. 60, Model 8 Wing & Tail: A. W. Hicks, C. V. Ratcliff.

Dept. 70, Model 8 Fuselage: J. L. Arrollado, R. L. Curtis, A. L. Nunez, G. F. Reuthlinger.

Dept. 101, Sheet Metal: A. E. Boughter, C. R. Thompson (final payment).

Dept. 102, Sub-Assembly & Processing: L. E. Roberts.

Dept. 203, Welding: K. L. Lobach, J. Riveroll, W. Wantuch.

Dept. 212, T-29 Fuselage: M. Romero.

Dept. 215, Machine Shop: A. C. Gay, H. R. Wessel.

Dept. 225, T-29 Wing: W. V. Lee.

Dept. 235, T-29 Primary: J. D. Hartman, A. C. Wende.

Dept. 250, Electric Bench: R. L. Kramer, W. C. Smith.

Dept. 258, Proofing Mock-Up: H. Perkins.

Dept. 300, Field Operations: C. A. McBride, W. D. Nowell, L. W. Turner.

Dept. 350, Proofing Mock-Up: T. P. Emery, T. Hirasaki, R. H. Trussell.

Dept. 375, Electronics: L. L. Welter.

Dept. 407, Perishable Tool Cribs: E. E. Barrett, A. E. Payne.

Dept. 522, Manufacturing Control: R. P. Earnest, T. G. Evatt.

Dept. 524, Tooling: C. A. Bashore, H. H. Cameron, R. C. Graves, R. F. Winchester.

Dept. 528, Inspection: A. W. Cobb, C. F. Gonzales, H. Goode, S. Popp, M. W. Pruitt, M. H. Quinsler.

Births

SAN DIEGO

MORGAN—Son, Kent Stewart, 7 lbs., born Dec. 22 to Mr. and Mrs. William A. Morgan, Dept. 4.

SWINDALL—Daughter, Mona Karen, 5 lbs. 12 oz., born Dec. 10 to Mr. and Mrs. W. B. Swindall Jr., Dept. 300.

WEAVER—Daughter, Elaine Marie, 8 lbs. 4 oz., born Dec. 27 to Mr. and Mrs. Harry W. Weaver, Dept. 522-6.

POMONA

CASEY—Daughter, Sidney Kathleen, 7 lbs. 6 oz., born Dec. 22 to Mr. and Mrs. Burt Casey, Dept. 6.

COPELAND—Daughter, Mary Alice, 6 lbs. 15 oz., born Dec. 21 to Mr. and Mrs. Ray Copeland, Dept. 6.

ELLIOTT—Daughter, Cynthia Jean, 8 lbs. 11 oz., born Dec 17 to Mr. and Mrs. T. H. Elliott, Dept. 3-1.

SCHILDBERG — Daughter, Pamela Joan, 8 lbs., born Dec. 15 to Mr. and Mrs. LaVerne Schildberg, Dept. 6.

STOWERS—Daughter, Jacquelin, 7 lbs. 14 oz., born Dec. 10 to Mr. and Mrs. H. C. Stowers, Dept. 6.

Deaths

SAN DIEGO

PECK—Vera, Dept. 1-99, Charactron. Died Dec. 26. Survived by two sons, mother, two sisters.

Personals

SAN DIEGO

We are deeply grateful to our many Convair friends for the expressions of sympathy and floral tributes at the loss of our mother.

Lee Casteel
E. D. Pickett

"Polly wants a cracker and put some butter on it!"

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth - Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. **Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.**

Stage Set for Biggest and Best San Diego Golf Open Next Week

(Continued from Page 1)

Friar's Road or the Mission Valley Freeway. Every facility is being planned to make the course accommodating to spectators, including bleachers at strategic points, food and drink facilities. The new Mission Valley Clubhouse will be open to the public. A large scoreboard near the clubhouse will carry the scores as they develop and a Marine Recruit Depot communications team under Warrant Officer Bill Dalrymple will operate walkie-talkies on the course.

In addition to Osgood, a number of Convair SD men are holding key positions in the Open this year. E. F. Jones, assistant to the Convair president, is tournament director. Art King is assistant chairman. Fred Grossher is in charge of the grounds. Harry McKay is supervising entries and Mrs. McKay is in charge of the scorers. Other chairmen are: Garry Gonlag, finance; Eldon Frye, programs; Fred Hamlin, publicity and press; Jack Porterfield, accommodations and transportation.

To repeat: employee tickets, good for the two final days of the tournament — Saturday and Sunday, Jan. 22 and 23 — are available to convair people at $3 each. (Daily course fees would total $5.50.)

Two of Convair SD's best linksmen, Russ Strayer and Art King, will be playing in the tournament, and possibly Bill Pardy of Dept. 8, if he can qualify.

"If you have seen a San Diego Open before, you will not want to miss this one," Osgood commented.

"If you have never seen one before, you have a treat in store for you. All the great names in golf will be here. And what they can do with a golf ball! It's tremendous."

DOTTED LINE—Convair Purchasing Agent W. J. Flannagan inks contract calling for Disabled American Veterans to sort approximately 5,000 pounds of Convair SD salvage each month. Forty vets will be employed. Seated with Flannagan are F. J. LesTina, D.A.V. commander, and R. J. Cosgriff, D.A.V. business manager. Standing are Kenneth K. Little, California veterans representative, and Convair representatives G. L. Ebner, G. H. Blain, D. K. Crawford, R. H. Lange and E. E. Hartzler.

Disabled Veterans To Sort Hardware

(Continued from Page 1)

essing.

"We are pleased to have this work handled locally, particularly because the project will provide employment for many disabled veterans and handicapped people," Coggan said.

Convair also assisted the local organization in obtaining sorting equipment for installation in the sorting plant.

Working out details of the arrangement for Convair were E. E. Hartzler, cost reduction supervisor; W. J. Flannagan, purchasing agent; R. H. Lange, head of the Convair Salvage yard, and G. L. Ebner, material department buyer.

Frank LesTina, local DAV commander, and K. K. Little, veterans' employment representative, California State Department of Employment, also helped make the contract possible.

Three 'Excellent' in Safety-Housekeeping Among Pomona Depts.

Three departments received "excellent" ratings in the December safety and housekeeping inspection summary at Convair Pomona, T. R. Smith, safety assistant supervisor, reported.

These were: Processing (Dept. 53), sub-assembly (Dept. 61), and missile checkout (Dept. 73).

Ten others received "good" ratings. They were: Engineering (Dept. 6, Area 2), engineering (Dept. 6, Area 3), administrative services (Dept. 14), manufacturing control (Dept. 22), plant engineering (Dept. 25), tool manufacturing (Dept. 42), sheet metal (Dept. 52), final assembly (Dept. 62), electrical assembly (Dept. 63), and checkout equipment maintenance (Dept. 72).

Quality control (Dept. 27) also received a "good" rating upon reinspection.

"Fair" ratings were given to the three remaining departments. They were: Engineering (Dept. 6, Area 1), experimental factory (Dept. 31), and machine shop (Dept. 51). Material (Dept. 4, also received a "fair" rating after reinspection.

You will be doing yourself a favor by keeping Convair up to date on your income tax exemptions.

New and Improved Life and Group Insurance Plan Drafted at SD

(Continued from Page 1)

will be $15 a day (formerly $12) for a maximum of 100 days (formerly 82) and $300 for other hospital charges (formerly $260).

Medical provisions (doctors' calls, etc.) remain the same, however.

General surgery maximum has been boosted from $300 to $400; and additions to the plan provide a $600 ceiling for multiple operations during one disability and $565 for certain heart operations.

Maternity benefits have been added. (For employees only.) These apply after a suitable period of participation in the new plan.

Polio benefits remain at $5,000 but now are in addition to the basic benefits.

"Major medical" is now a part of the basic group insurance program for all eligibles.

Dependent insurance does not carry the maternity provision. However, there have been a number of improvements and benefits have been raised in several categories.

Employee service next week will conduct meetings with supervision to explain the details of the new program and the following week cards will go out to all eligibles to be checked as to the amount of life insurance over $5,000 required and as to whether or not dependent insurance is desired. Booklets giving details of the plan will be distributed.

Currently, about 92 per cent of all employees are protected by group insurance at Convair San Diego. In effect, the new program will raise this to 100 per cent of all those eligible. Approximately 60 per cent of Convair SD take advantage of protection for dependents.

Carswell AFB Safest in SAC

Carswell Air Force Base and the Air Force men who fly Convair-built B-36s from there have been named the safest in the entire Strategic Air Command.

SAC last week announced that Carswell wins the 1954 flying safety trophy over all other SAC bases.

Further, SAC will nominate Carswell as the safest flying team in the entire Air Force.

The 1954 record involved about 50,000 hours of flying. At usual speeds, that would mean something in the neighborhood of 10,000,000 miles. That's enough miles to circle the earth about 400 times.

The spotless record was made while Carswell craft operated in and out of remote bases in North Africa, Guam, Labrador as well as from bases in this country.

The missions were made over deserts, mountains and oceans—through all types of climates from polar to tropic.

More Color Photos Of Planes Received

An additional 3,000 sets of full color. 14 by 16-inch pictures of the R3Y, the XFY-1 and the F-102 have been received at employee service at San Diego after the first 3,000 were sold out in less than a week. The sets sell for 50 cents. They are on sale at employee service at both plants.

Veterans of 25 Years In Convair Guests at Next 'M' Club Meeting

Management Club members at Convair San Diego will hold their first meeting of the year in style Jan. 19 when they gather at the new ballroom in the recently completed addition to the El Cortez Hotel.

Theme of the meeting will be "Old Timers Nite" with special tribute to those Convair SD employees with 25 or more years with the company. The meeting is being sponsored by the works managers' departments at both Plant 1 and 2.

"Entertainment will be the order of the day," said W. L. Young, works manager at Plant 1. "We have lined up some outstanding acts and will devote most of the meeting to having fun. There will be no speaker."

Scheduled for the night are the usual hospitality hour, drawing for prizes, presentation of awards and a special presentation of the "Mug o' the Year."

Participation in SD Cost Reduction During 1954 Is Best in Over Decade

An average of 37 of each 100 people working at Convair San Diego took an active part in cost reduction during 1954.

E. E. Hartzler, cost reduction supervisor, made this statement this week and also revealed that more people took part in two major cost reduction programs (Employee Suggestion and Cost Improvement Proposals) in 1954 than in any year in the post-war period.

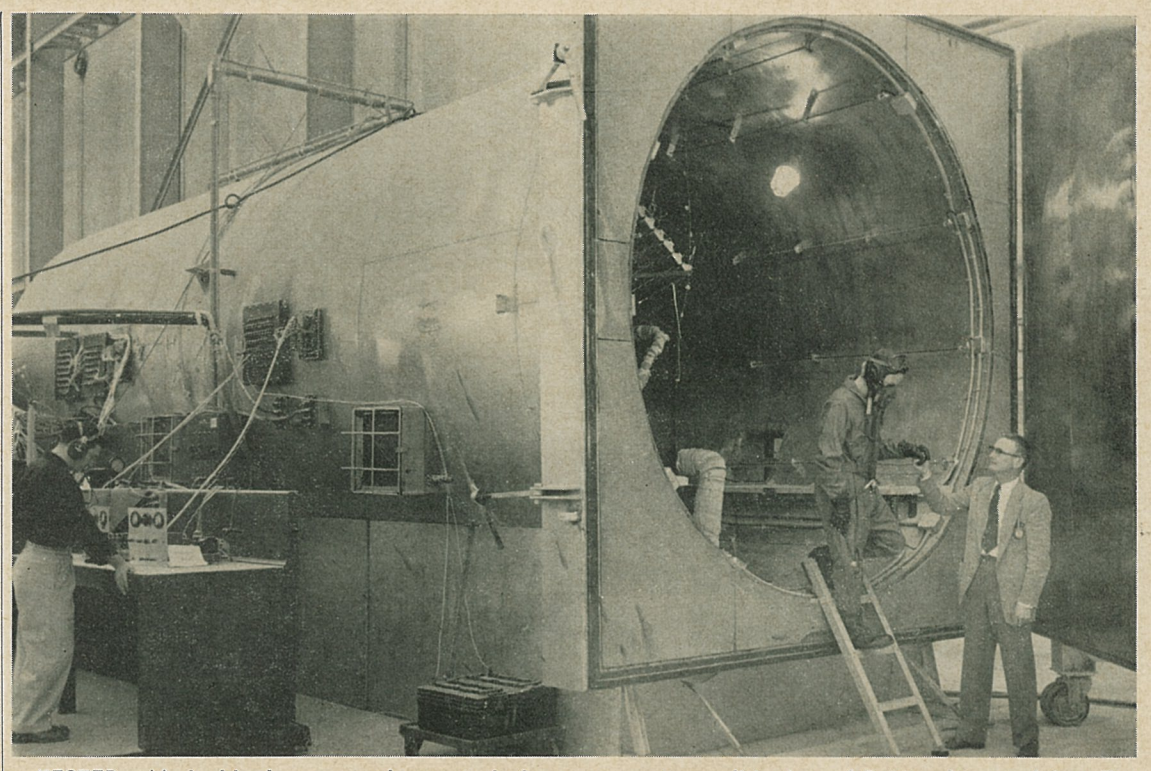
"These remarkable participation figures show a marked increase over the two previous years despite the fact employment was lower in 1954 than at any time in the three-year period," Hartzler said. "Our participation record is one of the highest in the nation in any industry."

Employees at San Diego submitted a total of 8,253 ES's and CIP's in 1954, showing an increase of 12 per cent over 1953.

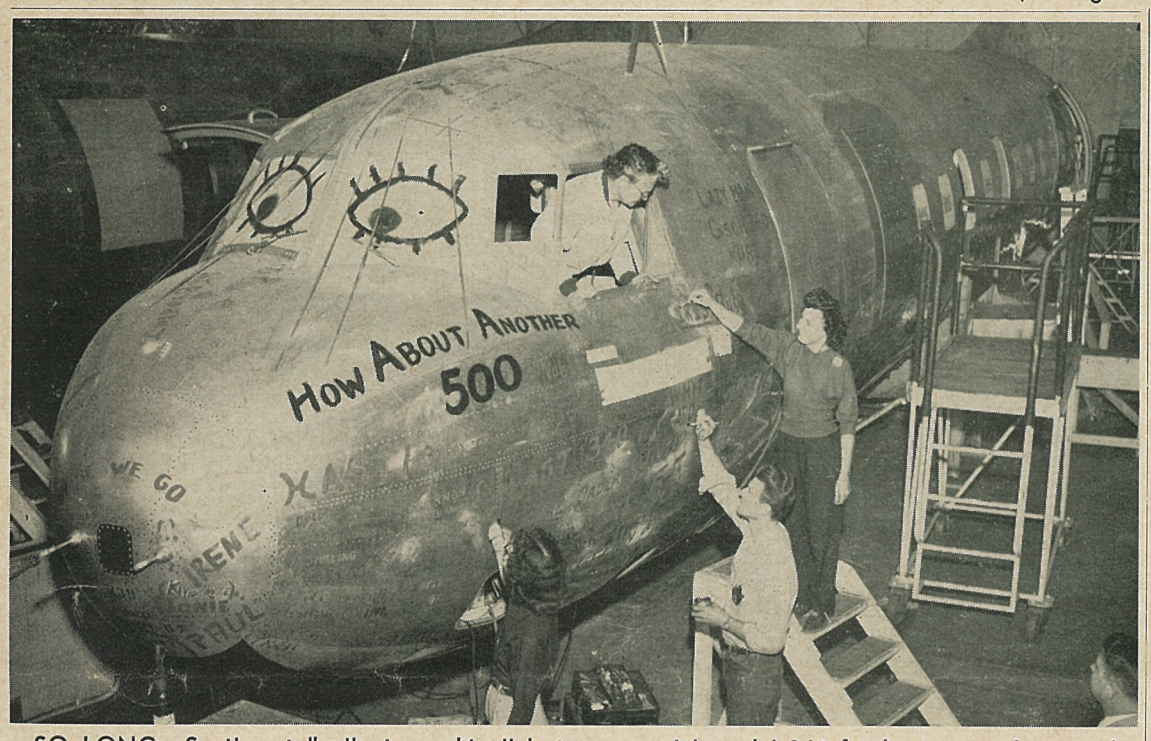
Net savings from those ideas approved and installed came to $2,947,430. An additional saving of $523,150 has been approved and is now in the process of being installed.

Of this total, $499,266 was realized through Employee Suggestions which earned employees $33,791.37, an increase of 15.3 per cent over 1953. Acceptance of ES's increased 11 per cent during this period.

"The success of this cost reduction program in 1954 reflects highly upon those who had ideas and submitted them, upon the people who studied and helped develop these ideas and management for its whole-hearted support," Hartzler said.



TESTER—M. L. Hughes mans the controls for test on air conditioning of B-58 cabin model at Fort Worth. Dave Latham, in flight suit, steps from huge chamber with an assist by Grover Sundberg.



SO LONG—Sentimentally "autographing" last commercial model 340 fuselage currently on order at Convair San Diego are Gerry Houghawout, Raymond Brungard, Iris Rudloff and R. L. Dawson, all of Dept. 56. (Customer needn't worry, for that's water color and came off soon afterwards.)

Altitude Chamber Test Simulates Conditions of Flight For B-58 Crews

The B-58 is flying!

But all the "flying" is inside an altitude chamber in Convair Fort Worth's engineering test lab. Here tests are being made to simulate working conditions of crew members in actual flight.

Testing is a very important part of Convair's development work on the supersonic delta wing bomber since conditions under which the crew members perform their duties in flight affect their efficiency and safety.

And that's exactly what engineering test lab is doing: proving out those conditions.

"Not only do we use newly designed test equipment," said Grover Sundberg of engineering test lab. "We also use actual human beings. In this way, we know we're getting the best possible results."

The chamber is 30 feet long and 12 feet in diameter. Inside is a set-up complete with simulated B-58 controls. The chamber is insulated so tests can be made at high or low temperatures and altitudes.

There are more than 400 temperature "pick ups" to register temperature changes. Trained personnel also record air supply and return, air velocities and other factors in the cabin.

It all starts when an engineer enters the chamber. He's dressed in regular flight equipment: suit, boots, gloves, helmet and goggles.

"One of the most important pieces of his equipment is his headset," said Sundberg.

"This gives him constant communication with the engineering crews recording data outside the chamber."

If hot or cool air coming through a duct hits the pilot at the wrong place, it makes the pilot uncomfortable. Since comfort of the pilot and crew members is a very important factor in performance and safety, improper air flow must be corrected.

So with his headset, the man in the pilot's seat can tell the group outside the chamber what's going on inside. They, in turn, try to make necessary changes.

A test usually takes about a day. Tests are run a long enough time to approach actual flight conditions.

The tests were requested by L. H. Schreiber in the engineering propulsion development group.

"We're sure that by the time we're finished with testing, we'll have many of the kinks ironed out," said Sundberg.

"We don't guarantee all the comforts of home," he said. "But we're going to get as close as conditions permit."

General Dynamics Aids Nuclear Medicine Unit

Establishment of The Institute of Nuclear Medicine will be initiated through funds appropriated by General Dynamics Corporation, John Jay Hopkins, chairman and president, announced late last month.

The appropriation will be made to the Lovelace Foundation for Medical Education and Research, Albuquerque, N. M., where the Institute will be located, Hopkins added.

This will be the first direct private corporate support of an organization uniquely devoted to nuclear applications in the fields of curative and preventive medicine and public health.

General Dynamics has an important role in the development of atomic energy. Its Electric Boat Division is currently building two atomic-powered submarines and Convair is engaged in research and development work leading to the application of atomic power to aircraft.

It is expected that the Institute will be concerned with exploratory and applied medical research involving radioisotopes, nuclear radiation and the development of electronic and nuclear instrumentation and equipment. Two unique functions of the Institute will be the establishment of a special reference library devoted to assembling the world literature on nuclear medicine, and the periodical publication of a Journal of Nuclear Medicine.

The Institute will be under the direction of Dr. W. Randolph Lovelace, II, vice president and director of the Albuquerque foundation and an executive director yet to be named.

Since 1938 Lovelace has been active in aviation medical research and during World War II served as a colonel in the Army Air Force. From 1943 to 1945 he was chief of the Aero Medical Laboratory at Wright Field, Dayton.

The Lovelace Foundation is a non-profit corporation founded in 1947 by Dr. W. R. Lovelace. It lists as its objectives "the fostering of knowledge of the causes, prevention, relief, and treatment of human disease and the promotion of public health."

"I've been standing here long enough. When does my parole come up?"

REAL Ships Near End of Line But 340s Continuing

Twin-engine transports continued to roll along several Convair San Diego assembly lines this week, including two Convair-Liner 340s which will fill the last of Convair's current commercial commitments.

The two model 340s are destined for REAL and are scheduled for factory completion toward the end of this month. They bring the total number of commercial 340s factory completed to 206.

"A number of different military versions of the model 340 will keep the final assembly area busy for some time, however," W. S. Stroud, project administrator, said.

Very much in the picture at this time are a number of C-131Ds, the Air Force designation for the 340-type transport.

The first C-131B, electronic test bed, was delivered to the Air Force last month while others are following on schedule.

Final assembly work on T-29C and T-29D aircraft continues to move on schedule, Stroud added.

Meanwhile, some assembly work has started on the first of a number of twin-engine transports now on order by the Navy. These planes will differ slightly from the present commercial design of the Convair-Liner but will contain most of the popular transport's original design features. They will be known as R4Y transports.

FW Developing B-52 Subassemblies

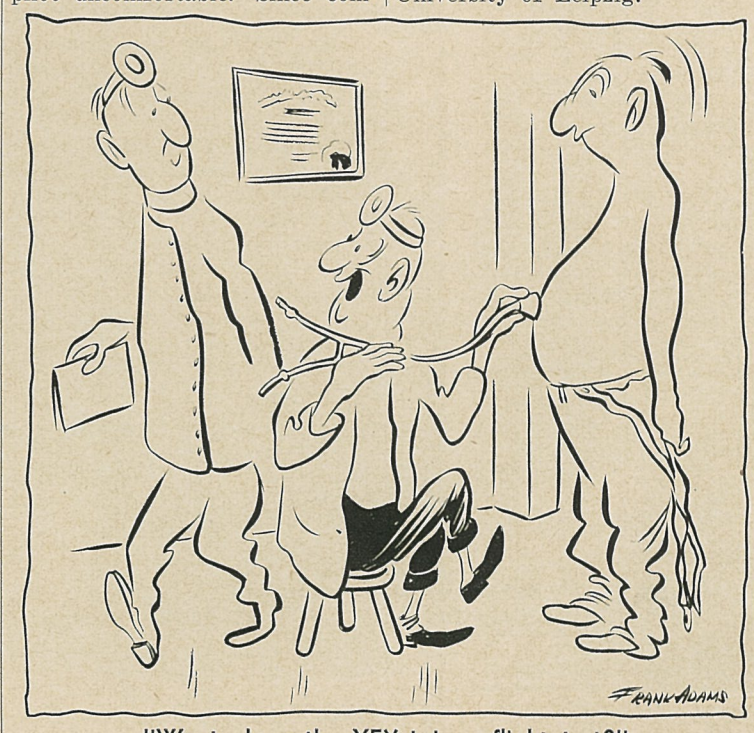
B-52 production will get a boost this year, now that sub-assembly work at Convair Fort Worth is in full swing.

Completed components are scheduled for shipment within the next few months to Boeing's plant in Wichita, where they will become a part of the eight-jet bombers. Under a contract awarded last spring, Convair FW is building an undisclosed number of vertical fins and outer wing panels.

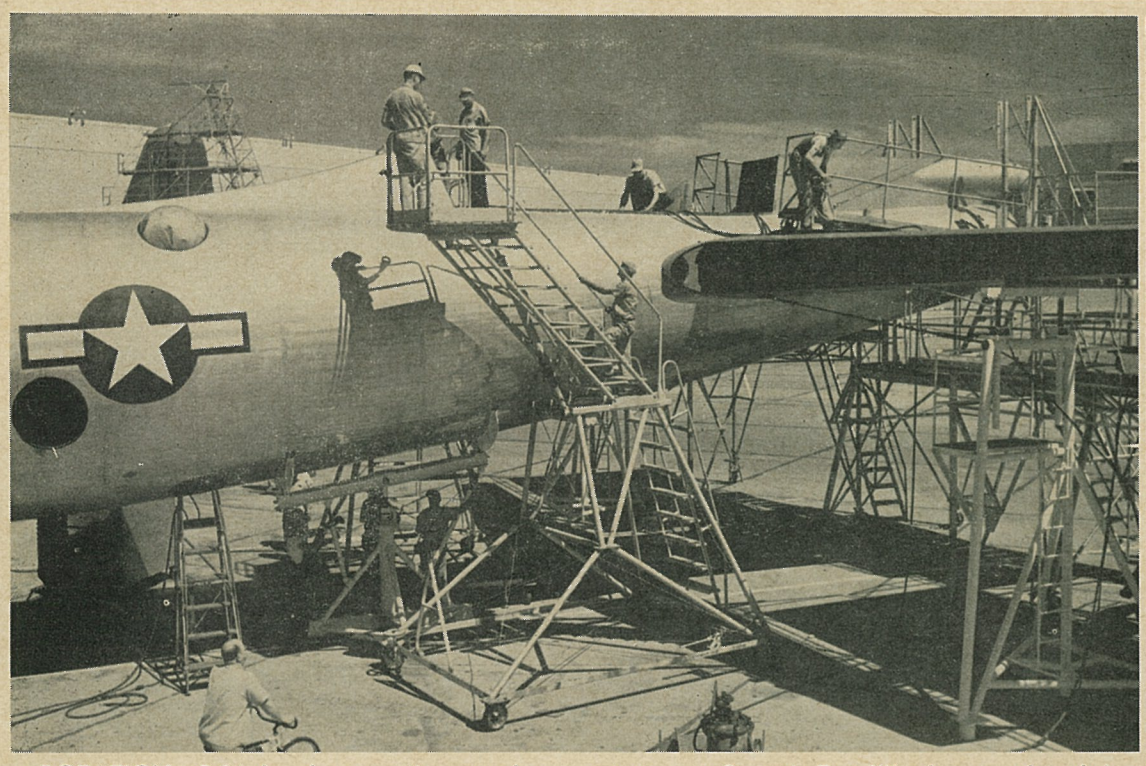
SD's Friedrich Named I.A.S. Assoc. Fellow For Work on Missiles

Dr. Hans R. Friedrich, dynamics group engineer at Convair San Diego, last month was notified that he had been elected an associate fellow of the Institute of Aeronautical Sciences.

The selection was based on Dr. Friedrich's basic contributions in the field of guided missiles. He has been with Convair since 1951 and previously was engaged in research for the federal government. He was educated at the University of Leipzig.



"Wanta hear the XFY-1 in a flight test?"



ROTATION—B-36 bombers continue to be a mainstay at Convair Fort Worth, even though last production ship was completed more than six months ago. Here is a ship in SAM-SAC line undergoing maintenance and modernization.

President Filho Tries Out a 340

The Brazilian airline Cruzeiro do Sul had a distinguished passenger appear at its ticket counter in Rio de Janeiro recently requesting a ticket on a Convair-Liner model 340 flight to Natal.

It was Cafe Filho, president of the Republic of Brazil, who was combining a trip to his home province to cast his ballot in a congressional election with a desire to try out the model 340.

When Dr. Bento, president of Cruzeiro do Sul, heard who was present he put an entire airplane

THE PRESIDENT—Cafe Filho, Brazilian chief executive, shown receiving a lighter as a memento of his trip aboard a model 340.

at President Filho's disposal and accompanied him on the flight.

Wallace H. Casselberry, Convair field service engineer attached to Cruzeiro, reported that the president had a pleasant trip, spent some time up with the pilots, and was impressed by the airplane's performance in takeoff and climb and at cruising speeds, as well as the comfort during pressurized flight.

Cruzeiro operates four model 340s.

COURSE IN BRAILLE

Convair SD people who are interested in qualifying to help the blind as instructors in Braille were invited to enroll in a Braille beginners class starting tonight (Jan. 12) at Blind Recreation Center, 1805 Upas Street. Call Lucy Perry, AC 2-8784 for details.

Work on SAM-SAC B-36s At Fort Worth Praised

Convair employees' work in the SAM-SAC program at Fort Worth was highly praised in a statement issued recently by Strategic Air Command at Omaha.

(SAM-SAC is "Specialized Aircraft Maintenance-Strategic Air Command." It is work on B-36 bombers built earlier by Convair Fort Worth.)

SAC revealed that more than 200 of the bombers now have gone through SAM-SAC and are now equally as able as the last bombers off the line.

Said SAC:

"To our operations planners this means two things:

"First, that every B-36 is equipped with the latest design changes; and—

"Second, that there is as little time out-of-service as possible.

"Thus, SAC's long-range bomber fleet is kept ready and able to strike anywhere in the world it might be necessary."

SAM-SAC was born of necessity when the Air Force became aware that it could not inspect, service and repair the planes following past practice.

The B-36s had to have regular Air Force two-year major overhauls, but AF depots weren't equipped to handle the giants. Even if they could have, SAC couldn't afford to ground its top-ranking bombers the length of time it would take.

So SAM-SAC was conceived.

Said SAC: "The program, first of its kind in the industry and the nation, has attracted intense Air Force and industry attention. Many aircraft companies have sent teams of specialists to Convair Fort Worth to study the know-how there."

Faced with the job, San Antonio Air Materiel Depot, Convair and SAC officials worked out a never before tried process of returning the aircraft to the maker — Convair — for both modernization and overhaul.

This is done in cycles. A part of the work is performed on one visit, and other work in later visits.

One cycle, for instance, requires only 59 days to modernize and recondition one basic section (such as the fuselage). The rest of the ship receives a major inspection.

Convair emphasizes that SAM-SAC aircraft are not "made like new." Instead, as long as parts work properly, they're left on the airplane—regardless of how they might look.

"This policy of having the craft ready—but not like new," said SAC, "saves precious manhours and thousands of the nation's defense dollars.

"SAM-SAC is hailed as the answer to the problem of maintaining the vital capacity of B-36's without impairing the defensive power of our B-36 fleet."

New Training Courses at Convair Cover Wide Variety of Subjects

Training courses in wide variety are now available to Convair Fort Worth employees. They include technical and business subjects—all designed to fit the particular needs of Convair employees.

Subjects include: aircraft and engine mechanics, blueprint reading, fundamentals of electronics and mathematics, vacuum tube characteristics, radio transmitters, radio receivers.

Shop mathematics, trigonometry, advanced shop mathematics, descriptive geometry, mathematics for electronic technicians, production illustration, aircraft drafting, elements of tool and operation planning.

Basic metallurgy, welding metallurgy, review shorthand, beginners shorthand, advanced typing and beginners typing.

Classes will be held in plant conference rooms or at Technical Institute.

Upon successful completion of the course, the students receive certificates from the Fort Worth Public School System as well as a training record from Convair.

Further information is available from Chuck Glauber, ext. 5245 or 5188 in the training section, col. 73 in the Administration Building.

Fabrication Falters and Others Grab First in SD Housekeeping

Only a month away from working a full year without a housekeeping violation against them, fabrication departments at Convair San Diego's Plant 1 tumbled from the top spot during December.

The fabrication group had won 11 straight good housekeeping awards in the monthly contest with perfect records before the violations charged against them in December.

Battle for the top spot continued strong, however, with six functions tieing for first. They included T-29 primary and major, tool manufacturing, Plant 1, plant engineering, experimental, 340 major and final, and T-29 final, all perfect in December.

Total good housekeeping violations showed a noticeable drop in 1954. In 1953 there were 3,790 violations charged, while in 1954 3,256 violations were recorded.

Manufacturing control, Plant 1, placed second to the leaders with field operations coming in third.

Average violation per employee dropped from .016 in November to .012 in December.

	Average Violation Per Employee	
	Dec.	Nov.
T-29 Primary & Major	.000	.000
Tool Manufacturing, Plant 1	.000	.002
Plant Engineering	.000	.027
Experimental	.000	.008
340 Major & Final	.000	.011
T-29 Final	.000	.000
Mfg. Control, Plant 1	.001	.012
Field Operations	.004	.000
Fabrication, Plant 2	.010	.016
Electronics	.014	.000
Material	.015	.004
Fabrication, Plant 1	.025	.000
Mfg. Control, Plant 2	.028	.006
F-102 Major & Final	.031	.007
Tool Mfg., Plant 2	.034	.022
R3Y Major & Final—F-102 Comp.	.048	.149

Six College-Level Courses Opened to Convair Supervisors

Six college-level courses will be offered Convair Fort Worth Management Club members and supervisors this month as part of a newly designed plan.

The Management Club, in cooperation with Texas Christian University and Convair, offers courses in English, first and second courses in mathematics, psychology, public speaking and human relations.

Courses are part of a 30-hour plan. Upon completion of the 30 hours, an associate certificate in management is awarded.

A certificate in management is awarded upon completion of an additional 30 hours.

Further information is available from D. F. Anderson in the training section, ext. 5245 or 5188, col. 73 in the Administration Building.

Bus to Connect SD With Allied Gardens

A 15-passenger bus began operations recently to link Convair San Diego with the Allied Gardens and Grantville area. It arrives at Convair SD about 6:30 a.m. and departs around 3:45 p.m. Driver is R. N. Hane of Dept. 300 and those interested in details of route may reach him evenings at AT 1-3780.

Fink Chairmans Science Fair For Young Engineers of Future

Frank Fink, chief engineer at Convair San Diego, has been named general chairman of San Diego's first Science Fair to be held April 15 through 19.

The Science Fair, slated for the Institute of the Aeronautical Sciences Building, will give young San Diegans a chance to show their projects.

San Diego educational, industrial, engineering and scientific businesses and groups will sponsor the affair. It will be open to all senior and junior high school students in San Diego County.

Exhibits will consist of scientific equipment, devices, arrangements or collections of a scientific nature that students have built in their spare time. First prize will be an all-expense paid trip to the National Science Fair in Cleveland this spring.

"I am glad to have been given an opportunity to serve as general chairman," Fink said, "because I recognize the need to encourage our talented young people to turn to scientific and engineering careers.

"Industry everywhere is in need of such talent and our technical schools are not producing fast enough. I think our high schools are the place to encourage it."

W. M. Thomas of Dept. 31 at San Diego will serve as chairman of the committee for facilities. Other Convair SD employees and their assignments include: Tracy Brooks, program committee; Cy Greaves, policy committee; and James Wenzel, representative of IAS.

Beyrer Reelected as SD Recreation Head

H. A. (Pete) Beyrer of employee service at San Diego, for a number of years a leading figure in San Diego recreation circles as well as in CRA, has been re-elected president of the San Diego Industrial Recreation Council.

He was installed for his second term last night at a meeting at Town and Country. Beyrer is manager of the CRA Clubhouse at San Diego and represents CRA in Little League, model railroad, baseball, swimming, table tennis and other activities.

Certain Insurance Expense Deductible

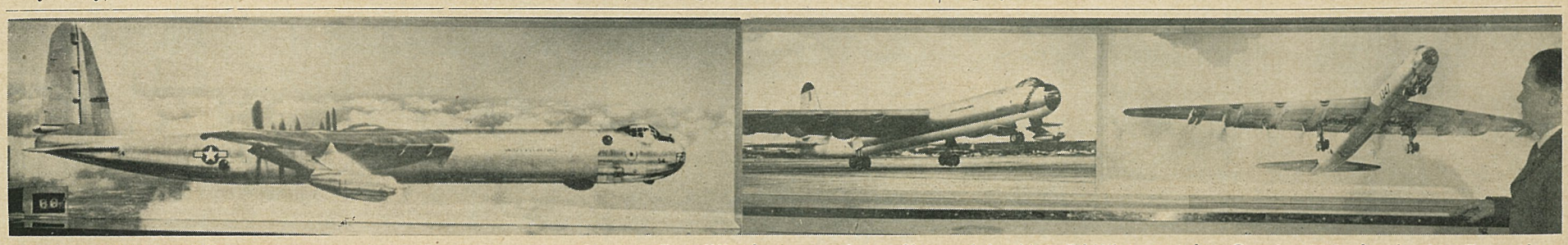
Convair San Diego employees planning to itemize their medical deductions on their 1954 income tax forms were reminded this week that certain group insurance premiums are deductible.

"Schedules showing premiums paid by employees are available at employee service offices at both plants," J. K. Field, chief of employee service at SD, said.

Famed 'Pickpocket' To Speak for Club

An informative and entertaining program has been planned for the Jan. 14 meeting of the Convair Pomona Management Club, according to Manufacturing Engineering, the sponsoring department.

The meeting, which will be at the Rainbow Gardens, 150 E. Monterey, Pomona, will feature Arthur Bornstein, the memory expert, and Dr. Giovanni, the internationally known "pickpocket." Social hour will begin at 6 p.m., with dinner starting at 7 p.m.



B-36 MURALS—Officers at Carswell Air Force Base near Convair Fort Worth see B-36s in the evenings as well as during the daytime. Huge photos serve as murals in officers club. Maj. Ed Weir at right. One is 109 inches by 29. Two others measure 75 by 28.

A Wife's Work

Quilt Made of Bowling Shirts Reminder of Long Keg Career

Bob Sage of Dept. 25 at Convair San Diego is sure he received one of the most unusual —and sentimental—gifts ever presented a rabid bowler at Christmas time.

His wife made him a patchwork quilt out of all of his old bowling shirts, some of which date back almost 20 years.

"Each year at the close of the bowling season the wife would launder my shirt and put it away," Sage said. "I often wondered what she did with them. Now I know."

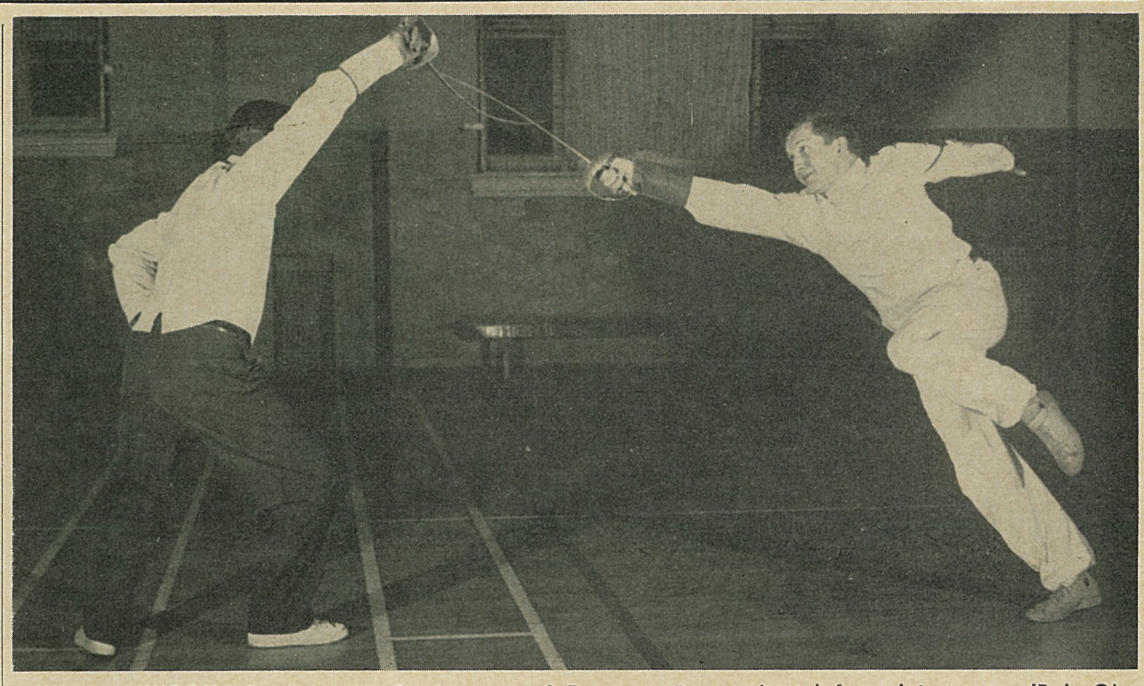
Mrs. Sage kept all of the shirts locked away through the years until she had enough for the quilt. She then cut out the backs with the team names or sponsor's name on them and pieced them all together. The resulting quilt is a many-colored souvenir of by-gone days.

"I just wonder when she did all of the work on it," Sage said. "It must have been during the day while I was working because I had no idea of it until I opened the package at Christmas."

Sage started bowling some 20 years ago and has been active in the sport most of the time since. He was a member of Convair teams during the war years and later owned a bowling alley in La Mesa before rejoining Convair SD in 1951.

He now rolls in the CRA Tuesday night league at San Diego and is a member of the "Orphans" of the 850 League, Convair's highest scratch league.

MEMORIES—When his wife presented him with this quilt for Christmas, Bob Sage of San Diego realized what had happened to all his old bowling shirts that mysteriously disappeared over the years. She had saved them, with this in mind.



WARM WORK—Student (H. E. Atwood of Dept. 6, Pomona) at left and instructor (Bob Glowacki, also Dept. 6, Pomona) during a bout. Former, incidentally, is showing excellent form as he parries a sabre attack.

En Garde!

Play Chess? Swim? Then Probably You'll Qualify as a Good Fencer

Fencing may not be the perfect sport, but it comes pretty close, according to Convair Pomona's Bob Glowacki (Dept. 6).

"It requires a combination of the skills used in chess, badminton, swimming and ballet; it has spectator appeal second to none; and it teaches more applied psychology than many college courses in the subject," Glowacki said.

"It requires the fast action and changes of pace of badminton; and as in swimming, every muscle in the body is used," he continued. "Also, many ballet dancers practice fencing to improve their reflexes and timing. And while chess may seem a far cry from an active sport like fencing, the swordsman must plan every move in advance, amending his tactics as necessary to meet the strategy of his opponent."

In the matter of psychology, many old-time fencing masters have said: "Give me five minutes on the fencing strip with a man and I'll tell you anything you want to know about him."

Even with all its requirements, fencing is actually not difficult to learn, Glowacki said. Many people with physical handicaps have become proficient.

Glowacki has been fencing for approximately 10 years. He started while in high school in Cleveland, Ohio, became coach of his school team, later coached other high school and college teams, and was active in competition in the Northern Ohio Division of the Amateur Fencers League of America.

In 1951 he won the Northern Ohio Three Weapon Individual Divisional Championship—in foil, epee and sabre—to climax his competitive career. Since moving to California the same year he hasn't had time for competition. However, he currently instructs a class at the Pomona YMCA, and plans to enter tournaments this year.

(Incidentally, the YMCA class meets from 8 to 9:45 p.m. each Monday, and anyone interested in learning is invited to attend. Equipment is available for beginners. Glowacki may be contacted at ext. 6136, or LY-22217 evenings, for further information.)

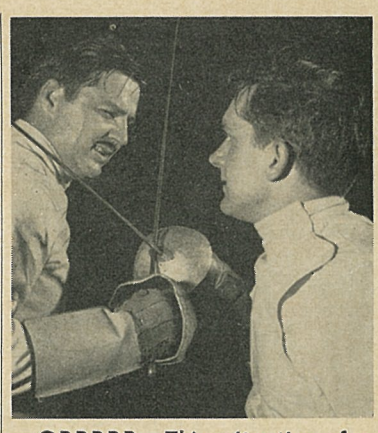
Competition in fencing is staged for three weapons—the foil, epee (pronounced a-pay) and sabre. Theoretically the foil is a pointed sword capable of inflicting puncture wounds only, and a "touch" is scored if the point touches any part of the target area. This area includes the trunk of the body from the top of the collar to the groin in front, and from the collar to a line crossing across the hips in back. The fencer who initiates the attack has the right of way, and his opponent must either parry the attack before starting an attack of his own, or execute a "stop thrust" in time.

The epee is also a pointed weapon, but is heavier and not as flexible as the foil. Any portion of the body is target area in an epee bout, and there is no formal offensive or defensive position. Action with this weapon is so fast that an electrical scoring machine, wired to the blades, is used.

The sabre has theoretical cutting edges along the entire front and a third of the back, and cuts, as well as thrusts, are scored. Since the sabre is the traditional cavalry weapon, and a horseman could only be incapacitated by cuts above the waist, touches below the hip bones are not valid.

Though in former times fencing was a somewhat hazardous sport, sometimes used in duels to death, in modern times it ranks with the safest.

"A fencer may receive minor bruises in a hot bout, and he may pick up an occasional scratch. But his face is protected by a mask, and the possibility of an accident is remote," Glowacki said. "In fact, I've only heard of two serious accidents in the 10 years I've been fencing, and that's a record few sports can equal."



GRRRRR—This situation frequently arises in sabre bouts and is the counterpart of in-fighting in boxing.

Giant Photo of 'Straight up' XFY-1 Features Trick SD Xmas Display

One of the most unusual Christmas decorations for a Convair plant in many a moon made its appearance at San Diego last month, featuring a 20-foot high reproduction of the XFY-1.

It was startlingly real because the display was based on a giant photograph of the vertical takeoff Navy fighter plane.

The original idea was that of B. F. Coggan, SD manager. Several SD departments collaborated in putting it into effect, including service publications, maintenance, the woodshop and engineering's photographic laboratory.

Completed, the display over the entrance of Building 1 at SD showed the XFY-1 ready for flight, with a six-foot Santa Claus apparently about to ascend a rope ladder to the cockpit.

An actual photo of the plane was enlarged in seven different sections and put together with plywood as a base. Artist's oil colors were then painted over the immense photograph and a water repellent applied.

It remained on display throughout the holidays and early this month was taken down and stored for possible future use.

TAKEOFF?—Lifelike Christmas display at Convair San Diego featured Santa Claus about to take off on what would be a revolutionary delivery flight.

Convair Barber Shoppers Reverse The Clock to Sing the Old Tunes

For at least four Convair Fort Worth men the days of mandolins and canoes and close harmony will never pass.

As members of the Cowtown Chapter of that famous barber shop singing organization known as SPEBSQSA they regularly sing the old songs ("Goodbye My Coney Island Baby," etc.) and get a world of fun out of it. Members of the Convair quartet are: W. R. Sitton, Dept. 22-1; E. C. Wilgus, Dept. 8; M. R. Long, Dept. 82-6; and N. R. Busbee, formerly of Dept. 24. Long is secretary of the local chapter.

This weekend will find SPEBSQSA members, including the Convair four, holding forth at Will Rogers Auditorium for the annual Fort Worth Parade. The program will include international winners, plus choruses of more than 100 voices. Proceeds above expenses will go toward the Star Telegram Milk and Ice Fund.

HARMONY—Harmony's a hobby for this quartet from Convair Fort Worth. They're barber shop singers. Left to right, N. R. Busbee, M. R. Long, Bill Sitton, E. C. Wilgus.

Ladies Night Continues As Popular CRA Event

Ladies Night at Convair San Diego continues to meet with steady and enthusiastic reception.

Approximately 250 attended the Jan. 4 meeting in Balboa Park's House of Hospitality and heard Miss Robley Baskerville present her fourth lecture. The usual social hour followed. Hostesses included Mrs. F. G. Crosthwaite, Mrs. H. E. Bing and Mrs. H. J. Horstman.

A cross-section of Convair women attending held these opinions of the monthly CRA women's programs:

"Wouldn't miss a Ladies Night for the world," said Mary Martinez, secretary to the Plant 1 fabrication superintendent.

"Entertaining as well as informative," commented Glenys Sears, secretary to the manager of long range planning.

"Thoroughly enjoyable evenings," was the opinion of Mattie Ross, SD chief operator.

"Very worthwhile program," said Bessie Cooper of parts sales.

The lectures and social hours are open to all Convair women, wives of Convair men, and their friends. The next will be Feb. 1 at the same place, House of Hospitality.

Stoffel Is Elected Archer Club Prexy

John Stoffel, Dept. 8-1, has been elected president of the CRA Archery Club at Convair SD replacing Harry Bing, recently named CRA archery commissioner.

Stoffel announced this week that the first 1955 meeting of the group will be held at 7 p.m. Jan. 20 at CRA Clubhouse.

"We will have two good movies of general interest to all archers," Stoffel said. "One is 'It's Done With Arrows' and the other is 'Alaskan Big Game.'"

Friday Night Movies Resumed for SD

Regular Friday night movies have been resumed at CRA Clubhouse following a holiday layoff period.

Films are shown at 7 p.m. each Friday night free of charge to Convair SD employees and their families.

"THEATER NIGHT"—Rio Theater marquee at 3721 University proclaims special "Convair Recreation Association Night" which begins next Tuesday (Jan. 18) and continues every Tuesday night for a six-week trial period. Convair families and their friends will be admitted at special rates, 25 cents for adults and 10 cents for children, upon presentation of Convair identification card.

SD Radio Executive Will Address Club

Al Raper, director of a leading San Diego radio station, will be the main speaker for the Jan. 13 meeting of the Convair Radio Amateur Club beginning at 7:30 p.m. at Radio Club headquarters.

"Mr. Raper will speak on 'Micro Wave Techniques,'" said Commissioner Jesse Baker.

Baker also announced this week that kits to build miniature automobile transmitters are ready for distribution at the meeting.

Annual CRA Chess Tournament Near

Final plans for the annual CRA plant chess tournament at Convair SD are being mapped this week, according to A. E. Munson, CRA commissioner.

Additional information is available from Munson at ext. 1536, Plant 1.

SD Con-Trib Issues Quarterly Report

Following is the quarterly report of Con-Trib-Club by the Con-Trib committee, composed of: J. K. Field, chairman; Loren E. Reich, Mrs. Gladys Story, representing International Association of Machinists; W. W. Lynt, W. A. Ebel, representing the Engineers and Architects Association; A. D. Parsons, Maynard Bjorstrom, representing the Convair Management Club; E. E. Larson representing the International Brotherhood of Electrical Workers; Frank Pickard, secretary; Fred Grossher, representing B. F. Coggan, San Diego manager.

★ ★ ★

Charity Fund Statement of Operations:

Balance on Deposit as of October 1, 1954			$24,502.58
Gross Receipts 10/1 to 12/31		$62,247.10	
Less Transfer to Emergency Aid Fund		6,224.71	
Net Deposit to Charity Fund		$56,022.39	56,022.39
Total Assets Accruing to Charity Fund			$80,524.97
Disbursements:			
Community Chests of — Palmdale	100.00		
Chula Vista	2,500.00		
Carlsbad	75.00		
Coronado	500.00		
Escondido	850.00		
Oceanside	80.00		
Ramona	175.00		
Vista	175.00		
Antelope Valley	700.00		
Expense (Bookkeeping and Audit)	300.00		
Children's Dental Health Center	1,500.00		
San Diego Sheltered Workshop	500.00		
Vauclain Home (Tuberculosis Aid)	344.55		
Girl's Club of San Diego	400.00		
Scripps Hospital (Polio Aid)	5,000.00		
Salvation Army Christmas Fund	1,000.00		
Retarded Children Association	1,500.00		
Transfer to Disaster Fund	25,000.00		
Total Disbursements		$40,699.55	40,699.55
Balance in Charity Fund as of Dec. 31, 1954			$39,825.42

Emergency Aid Fund Operations:		**Type of Aid Granted:**	
Total Cases Written	55	Insurance Paid	142.71
Cases Counselled	49	Medical Expenses	1,181.59
		Groceries	750.00
Total Applicants	104	Rents Paid	1,067.06
		Hospital Expenses	867.50
Cases Approved	39	Travel	17.55
Cases Rejected	8	Furniture	39.00
Cases Open	8	Funerals	357.82
Cases Counselled	49		
		Total Aid Given	$ 4,423.23
Total	104		

Balance on deposit in Emergency Aid Fund as of Jan. 1, 1955 ..... $13,324.71

Double Feature Scheduled For First CRA 'Movie Night' at SD

Rita Rayworth and Debbie Reynolds will star in a twin-bill attraction at the first "Convair Night" showing at the Rio Theater in San Diego Jan. 18.

Miss Hayworth will appear in "Sadie Thompson" and Miss Reynolds will be seen in "The Affairs of Dobie Gillis." A color cartoon also will be shown.

CRA has arranged to take over the theater each Tuesday night for a six-week trial period. Employees and their families and friends may attend at a special low rate—25 cents for adults and 10 cents for children.

"All you need to do is show your Convair identification card and purchase the number of tickets you want," said Gil Crosthwaite, CRA president.

"If the arrangement proves successful, it will be continued after the six-week trial period," he added.

The Rio Theater is located at 3721 University. It seats 675 persons and features a nursery from which mothers may watch the film, and a smoke room from which the film may also be seen.

★ ★ Rivets ★ ★

L. S. Baker, San Diego engineer, had a house guest over the Christmas holidays. One that slept under the house.

For some 24 hours, we understand, a skunk took refuge beneath the Baker home in La Jolla. Baker wasn't exactly inhospitable. But he was plenty uneasy. He asked the fire department to intervene. They looked the other way and pretended not to hear him.

Eventually he got an exterminator outfit to act. For $15 a couple of gentlemen dressed as though from Mars smoked the skunk out of his hidey hole and into a barrel. Then they sprayed the premises with some odorous stuff designed to counteract the skunk. At the time, Baker wasn't sure but what he preferred the skunk.

* * *

Alger B. Newman of SD's Dept. 406 wasn't concerned this year that his son, Marine **T/Sgt. Bruce Newman** would wire home for money.

With seven other service men the sergeant appeared on the "Two for the Money" TV show and divided some $3,240 in winnings.

Marine Newman also has a brother at Convair SD, **Alger B. Newman Jr.,** of Dept. 524.

* * *

Lois Tenwolde of SD employment has bathed for the last time with the family cat as an onlooker.

The decision to part company was mutual.

Lois' five-year-old son Tommy not long ago decided the cat needed a bath, too, and plopped her into the tub alongside his mother.

"I thought I'd been run over by an outboard motor!" Lois recalled.

* * *

Ted Laven, field service engineer, whose report gives his location as "Europe," takes brisk issue with a **Convairiety** story of Dec. 5 in which a Pomona traveler told of his experiences abroad. Writes Laven:

"A photo caption says: 'Next is Venice, of course.' It is assumed that the 'of course' is put in because the photo is of a canal. Let it be known that Amsterdam, Holland, has MORE canals than Venice and the trips around the Amsterdam canals are just as interesting as their counterparts in Venice. . . .

"Where did the $1 a gallon for gasoline come into the picture? The highest price (I) ever paid for gasoline in Europe was 76 cents. The lowest price was 44 cents. The average is about 61 cents. That is a lot lower than the **Convairiety** article.

"If one thinks that only a few people in Europe own automobiles, one should drive down the Autobahn, autowegs, etc., and take side trips through Rome, Paris, Zurich, Wien, Koln, Brussels, Amsterdam, etc.

"Actually, fellows, we do have a few modern things here in Europe. . . . "

Word From Edwards

F-102 Chosen as Model for Novel Flight Test Center Xmas Card

The Air Force Test Center at Edwards Air Force Base on the Mojave desert near Lancaster, Calif. used the Convair F-102 as a novel Christmas card.

On red paper, with "Merry Christmas and a Happy New Year" printed on one of the delta wings, the card is a fair likeness to the supersonic interceptor which has been undergoing flight test at the desert center for more than a year. Although mailed flat, the card was designed to open up into the airplane configuration. With the insertion of a couple of paper clips in the proper places the card became a paper glider.

* * *

Maxine Randall, Convair receptionist at Edwards AFB, recently was selected as "Edwardite of the Week" by Desert Wings, base newspaper. Although she joined Convair comparatively recently, she formerly was an operator for the base. Incidentally, hers was the first voice heard over the new communications system recently installed at Edwards.

Maxine Randall

* * *

More than 200 Convair employees stationed at Edwards Air Force Base and their dates attended a Christmas dance Dec. 18 at the Lancaster Women's Club.

A buffet dinner was served and the ladies received corsages.

Funds for the affair were supplied by CRA at San Diego and from the group's "Coffee Kitty."

Everett Henderson was general chairman for arrangements, assisted by Fluery Buskirk, Johnny Hayen, and W. E. Brown.

The first Employee Suggestion award earned by a Convair employee at the F-102 flight test operation at Edwards Air Force Base was presented recently to Eugene Howard, Dept. 303-5.

Howard suggested the use of slit rubber hose to cover the edges

of the F-102 wing as a safeguard for work crews.

His award was presented by George Putness, assistant manager of the operation.

The suggestion program was recently started at Edwards. All suggestions are evaluated there and then processed through the cost reduction section at Convair San Diego.

* * *

The Convair contingent at Edwards AFB (Dept. 303) is now well into its second year of operation.

With the passage of the first year there was some discussion as to who were "plank owners" at the outset. For the men, Larry Failor, industrial relations representative, appeared to take the title of first on the grounds, but it was a close race among the girls, with Katherine Hixson evidently preceding all others. She joined Convair Sept. 22, 1953, lives with her husband on a small ranch near Lancaster and has charge of the six two-bedroom units at Convair Housing. It's hard to believe, but she is a grandmother!

Katherine Hixson

Rita Thornton

An also ran for the title of first Convair girl at Edwards was Rita Thornton, secretary to Phil Prophett, manager. She joined up Oct. 7, 1953, but on her anniversary she received a "number one" badge, anyhow. It was presented by George Putness, assistant manager.

Astronomers Ahoy! CRA May Form Club

Amateur astronomers at Convair San Diego will hold an organizational meeting at 8 p.m. Jan. 14 in Room 5, Conference Building, Balboa Park.

"We urge any one interested in astronomy to turn out so that we can get some indication of the interest in this activity," said Keith Sears of Dept. 3.

The group will likely cover such subjects as studies of the planets and their relationship in the universe, star types, meteors, telescope making and related subjects, Sears said.

Sports

CRA Basketball Season Started With 15 Teams

Bouncing basketballs resounded throughout San Diego last week as no less than 14 basketball teams moved into action under sponsorship of CRA at Convair SD while a 15th team (girls) awaited its call to action.

Twelve of the teams are competing in two plant leagues, three are wearing CRA colors in outside competition.

The plant league is broken into two sections, one playing on Tuesday nights and the other on Fridays. All games are played at Municipal Gymnasium. The season will be divided in halves with the winner of each half playing for the section championship. Playoffs between the two sections will determine the plant champion.

For the first time in several years CRA is represented in the highest league in the city. Teams were placed in leagues after the completion of a pre-season tournament in which the Convair team finished third. The Convair Eagles, another men's team in outside competition, will compete in the Industrial League.

Meanwhile, CRA's girls team is preparing for action in the Girls Industrial League.

The Convair Eagles fared well in their opening encounter, beating Ryan by a score of 47-26.

The Convair club in the top City League won an impressive 48-29 victory over Gray's Real Estate and then dropped a 58-45 game to the Pacific Beach Merchants.

Parts Sales of the Tuesday section of the plant league edged by Dynamics by a 39-38 count, Tooling topped Planning by 40-16, and Final Assembly polished off Wing Section by a close 37-35.

The Friday section played its opening games Jan. 7.

PLANT HOOP SCHEDULE

Date	Time	Teams
		Tuesday
Jan. 18	6:50	Dynamics vs. Planning
Jan. 18	7:55	Parts Sales vs. Wing Section
Jan. 18	9:00	Tooling vs. Final Assembly
Jan. 25	6:50	Parts Sales vs. Final Assembly
Jan. 25	7:55	Planning vs. Wing Section
Jan. 25	9:00	Tooling vs. Dynamics
		Friday
Jan. 14	6:50	Fuselage vs. Mfg. Control
Jan. 14	7:55	Apprentices vs. Loft
Jan. 14	9:00	Service Publications vs. 340 Wing
Jan. 21	6:50	340 Wing vs. Mfg. Control
Jan. 21	7:55	Serv. Pub. vs. Appr.
Jan. 21	9:00	Loft vs. Fuselage

First Perfect Round Of Skeet Wins a Ham

Warner Gatterman, veteran CRA Gun Club member at Convair SD, started the new year off Jan. 2 by shooting his first perfect round of skeet. His efforts won him a fat ham in the special "ham shoot" event.

Dar Knadle and Marvin Goodall placed second with 23 birds each.

Clark Kerr, Joe Williamson and Vince Cernuto tied for first in the trap event with Kerr winning the shoot-off and the ham. He broke 23 birds.

William Betteridge and Bill Summers won hams in the rifle event, Betteridge copping the scope sight section with a score of 99-12V and Summers scoring an 81-2V in the iron sights section. Joe Williamson and Bill Isbell took second positions.

Amateur Boat Builders Get Last Call as CRA Prepares to Close Up SD Operations

CRA Fishing Club at San Diego will close the doors on its boat building shop Jan. 21 unless additional "do it yourself" builders join the program.

"Those who signed up have completed their boats," said Dale Cromartie, chairman of the activity. "We will continue the activity only if additional people are interested."

Some 124 Fiberglas boats of the 16-foot class have been completed since the activity started a year ago. Builders paid only for the actual cost of materials (about $200) and helped one another on the building of the hulls.

"Those who might want to build their own boats during the winter season must notify us by Jan. 21," Cromartie said. "They can use the available equipment and have their friends help them. We can still get the necessary materials at a savings.

"However, once the program is discontinued it will cost more per boat to get it started again."

Those interested may contact Cromartie at ext. 435 or 468, Plant 1, or Gil Friel at ext. 541, Plant 2.

Pinochle Players Meet Friday Week

Next meeting of the Convair Pomona CRA Pinochle Club has been planned for 7:30 p.m. Friday, Jan. 21, Merle F. Taylor, commissioner, announced. The meeting will be held in the CRA Clubhouse.

"We plan to discuss possible dates for our next tournament, and we urge all employees and members of their families who enjoy pinochle to attend," Taylor said. The club meets the third Friday in each month.

CALL IT—Cage season opened at SD last week and scene above at opening game of Tuesday plant league was typical of all. Referee Bob Carr tosses coin with Referee Artie Shingleton looking on. Players from left to right are S. V. Starr, Jim Leu, Andy Segal, N. M. Werner, Bob Farrar, Nick Ferguson, R. E. Leddon and Dick Martin of Dynamics team, R. C. Young, L. G. Foster, J. W. Swinson, R. J. Williams, R. F. Campbell, T. O. McMaster, J. L. Rolston, S. J. Harris and F. J. Kennie of Parts Sales team. Parts Sales won game, 39-38.

Weekend Ski Trips Ahead

Convair Pomona Ski Club weekend outings are being planned, now that snow has finally made its appearance in the mountain areas near Pomona, Cliff Farrington, commissioner, reported.

Several members of the CRA club spent the Jan. 8 and 9 weekend at Manning's Lodge at Big Bear. More weekend outings are planned for the remainder of January and all of February. Anyone wishing to join the group may call Chuck Rue, ext. 6176, or Cecile Desforge, ext. 4215 and make reservations. The cost is $2 per person per night.

Tonight's meeting will be at the CRA Clubhouse at 7:30 p.m.

"Anyone interested in skiing or learning to ski is invited to attend," Farrington said.

Pomona Bowling

"800" LEAGUE	WON	LOST
Crossfires	32½	18½
Experimental	31½	19½
Mivpm's	28½	22½
Mixmasters	29	22
Topplers	26½	24½
Balls of Fire	26	25
All Stars	19	32
Tea Tottlers	11	40
"575" LEAGUE		
Ringers	44½	23½
Late Starters	37	31
Optomists	35½	32½
Hits and Misses	30½	37½
Hots and Tots	30½	37½
Unpredictables	26	42
"550" LEAGUE		
Dynamics	38	30
Four Aces	37½	30½
Rockets	35	33
Microliners	34½	33½
No Alibis	31	38
Squares	28	40
"500" LEAGUE		
Woodpeckers	39	25
Fearless 4	38½	25½
Fatal Four	33½	30½
Bottle Babies	31	33
Rebels	30½	23½
Four Blows	30	34
Frantic Four	29	35
Buzz Bombers	24½	39½
SWING SHIFT		
Four Sparks	19	5
Livewires	14	10
Night Owls	12	12
Alley Cats	10	14
Four Roses	10	14
Nightcappers	9	15

CRA Activities at SD

(CRA stands for Convair Recreation Association, an organization to which all Convair employees belong. Financed by proceeds from candy and soft drink machines in the plant, the association is run by a Council of employees who are commissioners of various activities. The association is run by employees for the benefit and recreation of employees. All Convair people should feel free to join any of the groups such as are listed on this page or suggest organization of new activities.)

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays, 7 to 9:30 p.m.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10:30, adults (Fox Trot, Waltz). Tuesdays, 7:30 to 8:30 p.m., adults (advanced Fox Trot and Latin); 8:30 to 9:30, adults (beginning Fox Trot and Latin). Wednesdays: 7:30 to 8:30 p.m., adults (intermediate Fox Trot and Latin); 8:30 to 9:30, adults (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Samba, Tango, Rhumba, Mambo). Juvenile classes: Saturday mornings, tap, acrobatic and ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commisioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 583 or 411, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 423, Plant 2 (nights). Darkroom open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245; Gene Horstman, ext. 744, commissioners, Plant 1. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Regular shooots first Sunday of each month, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Free shows for Convair employees and their families each Friday at 7 p.m., in CRA Clubhouse.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club meets second Sunday of each month 9 a.m., San Diego Police Range. Convair employees invited to join San Diego Police Revolver shoot fourth Sunday of each month.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Jan. 13) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 295, Plant 2. Class schedule: Mondays, adults 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate 12 noon; advanced 1 p.m., at Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

SKIN DIVING—Bob Hutson, commissioner, ext. 321, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Mort Rosenbaum, president, ext. 1381, Plant 1. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Intermediates, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

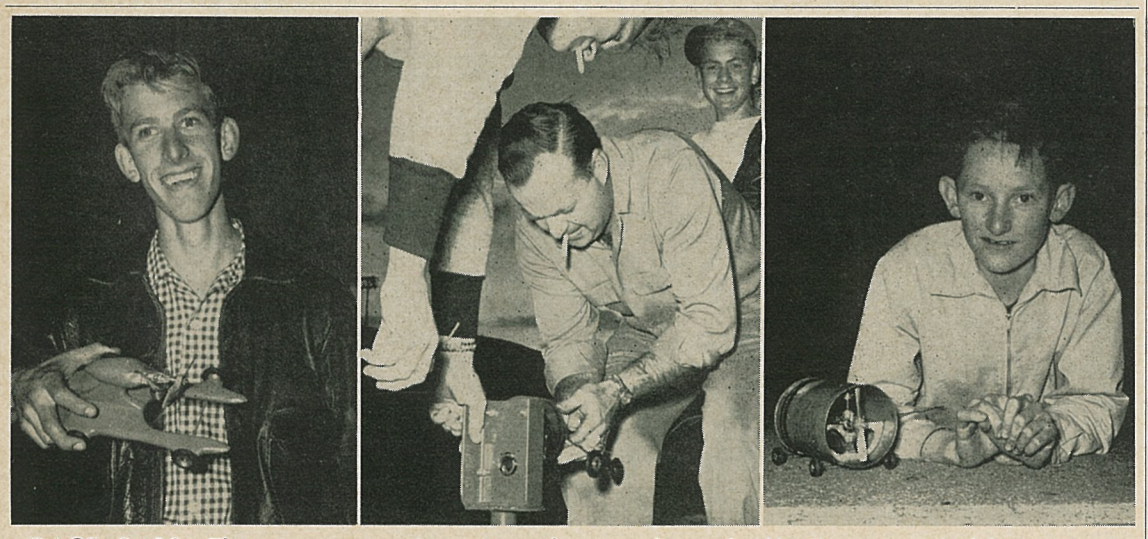
SWIMMING—Discontinued until February.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1621, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Ladies Night first Tuesday of each month, 8 p.m., House of Hospitality, Balboa Park. All Convair women welcome.



RACE CARS—There were some 37 entries when members of AVA-Toros model club at Pomona raced air cars Jan. 2 on parking lot at plant. Left above is Everett Beckley, junior member, with his "man from Mars" car that lost wheels during practice run and couldn't compete. Center shows Wayne Kay using inertia starter to wind up small diesel. At right is Jim Mazur, son of Frank Mazur of Dept. 6, with meet's most unusual entry. It was a shrouded prop affair, constructed from a coffee can!

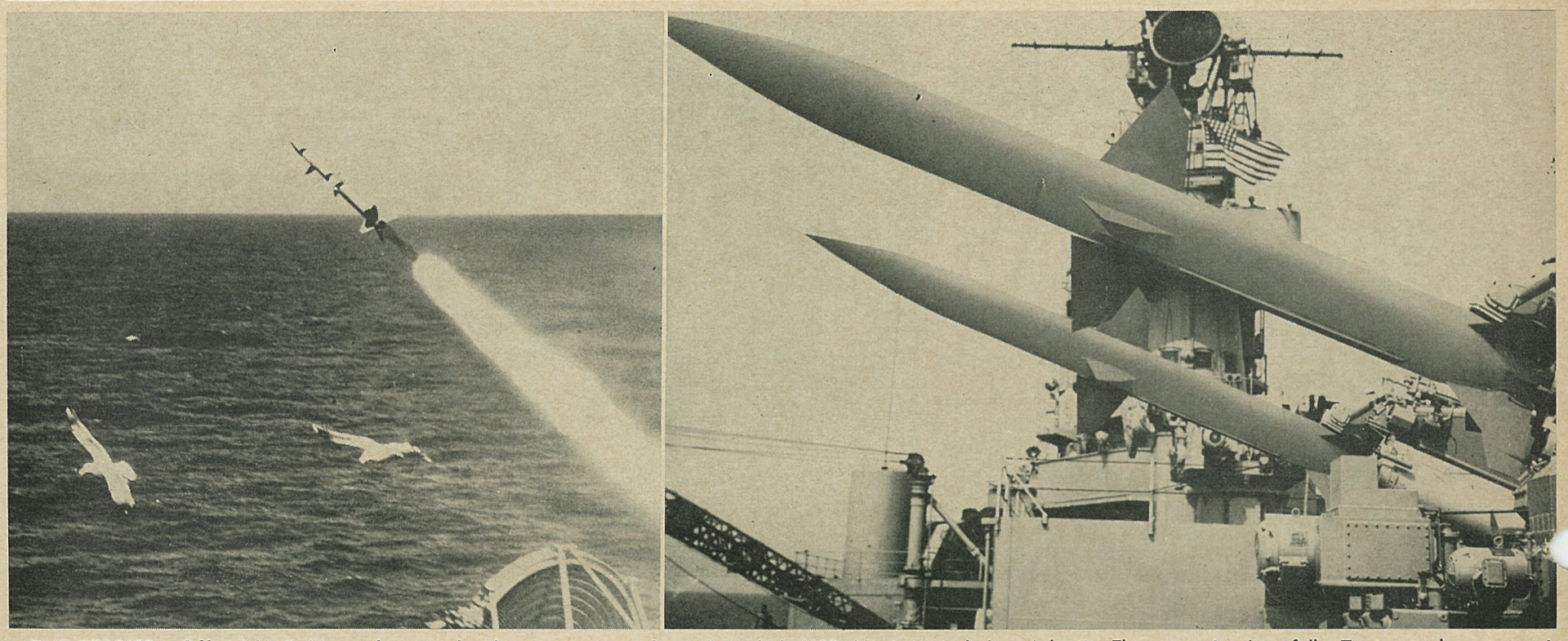
Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, Jan. 14: BLACKBEARD THE PIRATE (color) with William Bendix and Linda Darnell.

Friday, Jan. 21: VALLEY OF THE SUN, with James Craig and Lucille Ball.

Plus selected cartoons.



THE TERRIER—Official U. S. Navy photographs above are among first released of this new weapon which Convair produces at Pomona. They show missile aboard USS Mississippi during Atlantic Fleet exercise last fall. Terrier took part in air defense phase. It is designed to intercept aircraft at long range and high altitudes.

AF Training Chance Seen For Convair SD Veterans

An opportunity for training—with pay—was offered this month to Convair San Diego veterans and others who can qualify as students in a newly established Air Force Specialist Training Center.

The center, which will be located at Fort Rosecrans on Pt. Loma, is designed to train technical and management specialists of the Air Force Reserve.

First classes are expected to start in March and lists of students are being made out now.

Such courses as these will be offered: flight operations, communications and electronics, aircraft engineering and maintenance, aircraft supply, administration, personnel, and basic instruction for aircraft mechanics (equivalent to an A. and E. course, qualifying for license), radio operator, cryptographic operator and administrative supervisor.

Because many of the subjects include classified military information, and the training aids and laboratory equipment are under security protection, training is available at the center which cannot be obtained at civilian schools.

To be eligible, students first join the Air Force Reserve. Veterans of the Army, Navy, Coast Guard or Air Force can expect to be accepted in their previous rank or rating. Students, also, should have had service and civilian experience in the field of study they choose.

There are no fees for the training, of course, and students receive one day of military pay consistent with their rank for each two hours of instruction. There will be two class periods a month.

Effort is being directed toward arranging class hours to accommodate students whether they work days or nights.

Additional information may be obtained from L. M. Shusterich of Dept. 506, Plant 2, ext. 284, 285, 286. Mail will reach him at Plant 2, Building 2 engineering liaison office.

Shusterich, an Air Force Reserve first lieutenant, said:

"Convair has many hundreds of veterans, many of whom served expertly as aircraft technicians in the military. This is a real opportunity for them to fit themselves for advancement in their civilian occupations and at the same time to benefit from military pay, points toward promotion and military retirement pay."

Pomona Contributes 353 Pints of Blood

Convair Pomona employees contributed 353 pints of blood when the bloodmobile visited the plant last week, H. S. Naish, employee service supervisor, reported.

"Convair employees and members of their families who in times of illness require blood may draw against this Convair credit with the Blood Bank by paying only a service charge of $7.50 a pint," Naish reminded.

"To take advantage of this service they have only to contact employee service, where all arrangements will be made."

Since the first visit of the bloodmobile to the Pomona plant 18 months ago employees have contributed a total of 2,093 pints of blood. Many employees and their family members have drawn against this credit, one employee requiring a total of 25 pints.

PRELIMINARIES—Several Convair SD men interested in new Air Force Specialist Training Center at San Diego look over photos of training aids. Left to right: Robert Young and L. M. Shusterich of Dept. 506, T. W. Petitt of Dept. 522, and James Smith of Dept. 524.

Bloodmobile Visit At SD to Be Jan. 25

All Convair employees working in Building 19 at San Diego and certain sections of engineering will have an opportunity to give blood Jan. 25 when the San Diego Blood Bank bloodmobile visits the plant from 9 a.m. to 1 p.m.

"All blood donated at this time will be credited to Convair's total now in reserve at the Blood Bank," said Frank Pickard of employee service. "This blood is available at all times to employees and their families, on call."

W-2 Forms For Income Returns Available Soon

Withholding statements (Form W-2) will be in the mail to all Convair employees before the end of January, in plenty of time for use in filing federal income tax returns before the April 15 deadline (a month later than the deadline of past years).

However, those who worked for Convair both before and after the merger into General Dynamics Corporation (April 30, 1954) will receive copies of two W-2 forms. One will cover income up to April 30 and the other will cover income during the balance of the year. Both should be filed with fiscal income tax returns.

Those who expect refunds were particularly cautioned not to file returns without attaching W-2 forms, as failure will delay the refund.

At a later date, but still well in advance of the April deadline, those Convair employees who received per diem allowances during 1954 will receive copies of Form 1099, which Convair is required to submit to the government covering these allowances. Those who received per diem were advised to wait for this form before filing, so as to have exact figures.

A few Convair employees may find it necessary to file amended Declarations of Estimated Income Tax, Form 1040-ES, by Jan. 17. Instead of the amended Form 1040-ES, a final return may be filed by Jan. 17, but a notation should be made that the W-2 will be forwarded when available. This procedure, is not recommended because of the possibility of confusion.

Convair Men Named To Civic Offices

Two executives at Convair Fort Worth were named to civic offices last month.

Marion L. Hicks, assistant FW manager, was named a life member of the Fort Worth Chapter of the Texas Manufacturing Assn.

Fred Chambers, manager of industrial relations and security, was named industrial relations chairman for the chapter.

Conversion Job Creates 'Triple Threat' Scooters

Necessity again proved to be the mother of invention recently at Convair Fort Worth—thanks to plant engineering.

When the time came for retirement of worn-out scooters, the point was raised that replacements really should have greater carrying capacity. But these proved to be mighty expensive.

So Convair decided that a less expensive type could be modified at low cost. And the plan worked.

That's why new three-seaters can be seen all over the plant and reservation. All in all there are 42 scooters. To date, 37 have been converted.

The first one of this type was made up for the fire department. That was several years ago. Since then it's been painted bright red. The others are silver and blue.

The original scooters came with cargo boxes on the front end. This was removed and comfortable seats built in.

The important part about the scooters is the big money saving. Convair modified them at a much lower cost than a similar model from a dealer would have cost. Plans are drawn up and the work done by plant engineering department crews.

The scooter has a five horsepower engine with two forward gears and one reverse gear.

And, if the need arises, the 30 by 30 cargo boxes can be put back on.

"We're quite pleased with our new scooters," said Sam Keith, chief of traffic. "They provide more transportation for more people at less cost."

SOMETHING NEW—These new three-seater scooters are proving their merit at Convair Fort Worth. They were adapted by plant engineering. Here R. D. Timms checks specifications with B. R. Main and Jack Shaver, all of traffic.

Applications Ready For SD Scholarship Awards

Application blanks for the annual Convair San Diego Management Club scholarship contest are now available to students throughout the San Diego area, Wayne Zook, contest committee chairman, reported this week.

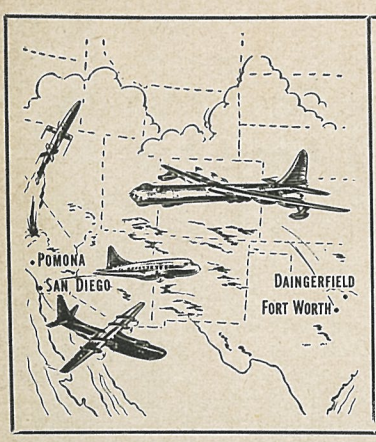
High school principals in this area have been supplied with applications. At Convair SD they are available through all department clerks or at employee service offices at both plants, Zook said. Awards are $1,000 for first, $500 second and $250 third.

Sons or daughters of Convair SD employees who will graduate from high school at mid-term or at the end of the school year are eligible to compete.

Applications should be submitted through high school principals. They must be forwarded by the schools no later than Feb. 15.

The first-place winner will also be eligible to compete for the National Association of Foremen Zone A award of $500.

"Tattletale."



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Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

Vol. 8, No. 2 — Wednesday, January 26, 1955

San Diego

EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.

PAY CHECK—John Jay Hopkins, right, president and chairman of General Dynamics Corporation, hands winner's check to Tommy Bolt at close of Convair San Diego Open golf tournament. (More pictures on page 7.)

ON 18 GREEN—Shown at awards ceremony, left to right, Maureen Connolly, Marla English, Gen. Joseph T. McNarney, Convair president, Tommy Bolt and Mrs. Bolt, Jan Golus and John Jay Hopkins. Girls were tournament queens.

RELAXED—Hopkins and Bolt talk it over in pressroom following end of most successful golf tournament in San Diego history.

Weather Break Adds Brilliance To Convair Open

With a brilliant assist from the weather, Convair last weekend brought San Diego the most successful Open Golf Championship in the community's history.

Played over Mission Valley Country Club, the 1955 Convair San Diego Open drew a closing day crowd of more than 10,000 to watch Tommy Bolt of Houston, Tex., finish the four-day event with a 14 under par 274 total to collect the winner's check of $2,400 from the hands of John Jay Hopkins, chairman and president of General Dynamics Corporation.

Johnny Palmer was second, two strokes back, and received $1,800, presented by Gen. Joseph T. McNarney, Convair president.

Gene Littler, the home-town pride who won the Convair event in 1954, was "in the money" but five strokes behind Bolt with a 279 total.

From start to finish, the Open this year was a perfect tournament, with four days of sunshine. The Hopkins Trophy matches, played earlier last week over the La Jolla course, were not so fortunate, however, as the golfing stars of Canada and the United States battled wind and rain and on one day were forced to halt after nine holes.

But luck turned for the Open and the crowds for the four-day tournament were consistently larger than for any previous tournament in San Diego history.

(Continued on Page 3)

Fashion Show Added to Growing List of SD Women's Activities

Sponsorship of a CRA Fashion Show, set for Tuesday evening, March 1, was announced this week as the latest step in expanding women's activities at Convair San Diego.

The show will be held at Mission Valley Country Club. It is being organized by members of the newly created CRA Women's Auxiliary.

"With Easter approaching, we felt that a March show would be timely," Martha Woodberry, CRA commissioner for women's activities, said. "We are sparing no effort to make it an outstanding event."

Although CRA is underwriting part of the cost, a nominal fee of 75 cents will be charged. Tickets will be available next month at employee service at both Plants

(Continued on Page 3)

McNarney Expected At Pomona Meeting

The next monthly meeting of the Convair Pomona Management Club has been postponed to Feb. 18, the board of control announced.

"The change was made to allow Gen. Joseph T. McNarney, Convair president, to participate in our program," K. Var Saunders, club president said. The meeting will be held at the Rainbow Gardens, with the social hour beginning at 6 p.m. and dinner at 7 p.m. Industrial relations is the sponsoring department.

Turbo YC-131C Enters Service For MATS Sq.

The nation's first twin engine turboprop transport—the Convair-built YC-131C—was in service this week in the Air Force's Military Air Transport Service.

Operations are in the hands of the 1700th Service Test Squadron. Based at Kelly Air Force Base, San Antonio, Texas, the group is commanded by a Texas native, Lt. Col. Claude W. Smith.

The service test is aimed at piling up flight hours in actual service to prove out the advantage of the turboprop engines for military and civil passenger transport.

Operations began after a press conference Jan. 15 at which Convair and Allison officials and Air Force officers briefed newspaper aviation writers at Kelly.

Representing Convair San Diego was B. F. Coggan, manager, and Jake T. Ready, who was SD's project officer on the two YC-131Cs. For Fort Worth, there was August C. Esenwein, Convair Fort Worth manager, and Paul J. Lynch, Fort Worth's project officer.

Lynch made the major portion of the presentation, though Cog-

(Continued on Page 3)

★ ★ ★

Convair Proposes A New Turboprop

Convair last week made a new bid for commercial airline business with a proposal based on a four-engine, 60-passenger turboprop airplane.

J. G. Zevely, Convair director of sales and contracts, said the entry had been submitted in the current American Airlines short/medium range turboprop competition.

Zevely further revealed that the proposal involved an elongated version of the Convair-Liner design and was presented in several different power plant combinations including the Rolls Royce RDA7 Dart, the Allison T-56 and the Napier Eland.

Last week's announcement gave the first official details of Convair's current turboprop plans, though there have been indications for some months that developments in this field were imminent and considerable discussion

(Continued on Page 3)

Deadline Near For Entering SD Scholars Race

With the deadline of Feb. 15 less than three weeks away, Convair SD scholars were warned today to submit their applications as soon as possible for Convair San Diego Management Club scholarship awards.

Awards this year, largest in the history of the program, will be $1,000 to the first place winner, $500 for second place and $250 for third. The first place winner also will have a chance at the $500 National Association of Foremen award, Zone A.

Eligible are Convair sons and daughters graduating from high school at mid-term or in the spring of 1955 who intend to continue their educations.

"Early entries show more girls than boys, two to one," Wayne Zook, club scholarship chairman, said. "We would prefer to have an equal representation of the sexes, so boys, get busy."

Selection will be made with an eye to the well rounded individuals, rather than emphasis upon scholastic standing alone. Extracurricular activities, personality, performance in writing an impromptu essay, and results of an aptitude test, all will be considered along with grade averages and teacher rating, Zook indicated.

"The first step is to fill out an application blank. These can be obtained from department clerks throughout Convair San Diego, or from school principals. Submit them through the school. They must be in our hands by no later than Feb. 15," Zook continued.

"Please don't wait until the last minute.

"We would like to see every Convair graduate send in an entry."

Inquiry on details can be directed to Zook at ext. 779.

30-YEAR TRIO—These three were honored together recently at San Diego as they completed 30 years with Convair and received watches as mementos of their long service. Left to right: Eugene Bitzer, Dept. 603-1; E. H. Wesp, Dept. 406; and R. S. Carson, Dept. 31. Convair now has seven individuals who are in three-decade class.

★ ★ Log Book Entries ★ ★

★ ★ Service Emblems ★ ★

SAN DIEGO

Service emblems due during the period January 16 through January 31:

Twenty-five year: Dept. 55, H. F. McEwan.

Fifteen-year: Dept. 6, L. V. Clements, Joseph Dennis Jr., G. C. King, R. P. Penfield, H. F. Van Goodat. Dept. 8, J. D. Hayman. Dept. 24, R. J. Connell, Dept. 28, L. P. Birse, W. M. Scott.

Dept. 30, J. C. Risner. Dept. 31, J. W. Burgreen, W. E. Hays, C. S. Strand. Dept. 43, J. C. Grant. Dept. 52, D. M. Sullivar Dept. 55, J. P. Lessing. Dept. 210, J. J. Medina. Dept. 375, Z. A. Ridgeway. Dept. 524, J. R. Horner, C. J. Johnson.

Ten-year: Dept. 11-2, Margaret R. McNeely. Dept. 22-4, A. E. Van Horn. Dept. 24-1, P. A. Knowles. Dept. 25-1, A. L. Gardner, H. R. Robb. Dept. 28, L. B. Stockton, J. H. Thomas. Dept. 31, W. L. Alldredge, Alexander Lorentson. Dept. 72, G. S. Rothrock Jr. Dept. 603-1, E. F. Arregui, B. F. Grame.

Five-year: Dept. 4, Patricia C. Prout. Dept. 6, P. I. Dickey, C. R. Tuttle. Dept. 9, M. H. Miller. Dept. 10, C. E. Ulrey. Dept. 14, D. C. Burns, G. C. Mahoney. Dept. 25, Sadie A. Hisbon, W. A. Johnson. Dept. 28, S. I. Ellzey.

Dept. 31, P. E. Griffith, J. K. Magner. Dept. 35, C. E. Allen. Dept. 37, Peter Castelli. Dept. 44, J. A. Lape. Dept. 46, Lois H. Edwards, Florence G. Filson. Dept. 52, W. A. Scuderi.

Dept. 60, E. F. King. Dept. 61, M. E. Morrison Jr. Dept. 72, P. A. Wegner. Dept. 102, Velma B. Cunningham. Dept. 115, Gertrude H. Roysselle. Dept. 201, G. A. Allan. Dept. 202, Marina H. Martinez. Dept. 210, Irene P. Bynum, Ada A. Casner, Merkel H. Duke.

Dept. 212, Emma P. Tomlinson. Dept. 215, J. P. Kincaid, T. C. Mellard. Dept. 252, Gladys A. Pederson. Dept. 258, F. P. Sullivan. Dept. 300, L. H. Wilson. Dept. 302, R. D. Miller. Dept. 350, J. W. Bratton.

Dept. 401, G. J. Belberoff. Dept. 406, L. W. Donaghe. Dept. 522, Helen H. Christensen, Grace H. Lesher, Geraldine C. Stonebreaker, J. R. Thompson. Dept. 524, H. B. Bickford, E. T. Churchman, June E. Hipkins. Dept. 528, Sally K. Popp. Dept. 529, H. H. Brown, E. A. Thompson. Dept. 603, Ado Ebeling, W. W. McKeen.

POMONA

Fifteen-year: Dept. 23, A. T. Seemann.

Five-year: Dept. 3-1, J. F. Roberts. Dept. 6, W. K. Isaacson. Dept. 14-3, J. M. Ostergard.

Training Classes

SAN DIEGO

BASIC ELECTRONICS—Second shift. Mondays and Wednesdays, 1:15 to 3:15 p.m., Room 10, Bldg. 32, Plant 1. Leonard H. Fugate, instructor.

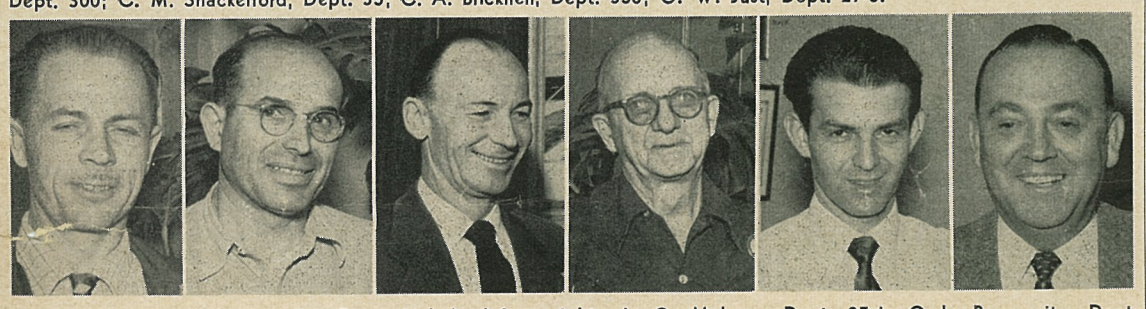
INTERMEDIATE ELECTRONICS—Second shift. Tuesdays and Thursdays, 1:15 to 3:15 p.m., Room 10, Bldg. 32, Plant 1. Jesse B. Baker, instructor.

For further information contact Training Section Office, Bldg. 32, Plant 1, ext. 791 or 1080.

INTRODUCTION TO SUPERVISION—Starts Feb. 7. Classes will meet Mondays 6:30 to 9:30 p.m., Room 209, San Diego Junior College Trade Center, 348 W. Market St. Instructor, M. S. Lachman, Convair training asst. supervisor.

SENIORS—Joining the "senior veterans" at San Diego are, left to right: W. C. Gilchrist of Dept. 28-1, who now wears a 25-year pin; A. J. Savard, Dept. 6, also a 25-year man; and F. S. Webster, Dept. 25-1, a 20-year pin man.

Fifteen-year men at San Diego, left to right: G. L. Scheibel Jr., Dept. 258; A. M. Walden, Dept. 524-2; D. L. Balch, Dept. 300; C. M. Shackelford, Dept. 35; C. A. Bricknell, Dept. 350; G. W. Just, Dept. 27-3.



Still more 15-year men at San Diego include, left to right: L. G. Mulryan, Dept. 25-1; Carlo Bommarito, Dept. 25-1; W. M. Holland, Dept. 252; E. H. Schaller, Dept. 25-1; H. B. Bender, Dept. 102; F. J. Eppich Jr., Dept. 115.

Awards

SAN DIEGO

Employee suggestion awards totaled $1,514.25 for the weeks ending Dec. 23 and Jan. 6:

Dept. 3-3, Employment: J. F. Erb.

Dept. 4-5, Material-GFP: G. G. Bebb, C. A. Edmonson.

Dept. 6, Engineering: R. R. Bateman, A. P. Frink, J. W. Hanna, B. Luffe.

Dept. 10, Industrial Accounting: D. S. Greene, R. G. Macomber.

Dept. 22, Manufacturing Control: M. Goldman, J. O. Kay, E. S. Seasons.

Dept. 24, Tooling: J. Boone, J. D. Elliff.

Dept. 25, Plant Engineering: C. A. Bertoncini, W. S. Edwards, E. C. Gear, V. I. Moore.

Dept. 28, Inspection: E. J. Bourgeois (two awards), C. W. Dale, R. H. Hennum, K. Sinclair.

Dept. 30, Model 8 Final Assembly: R. Araiza.

Dept. 31, Experimental: G. L. Hale, T. W. Jones, A. A. Martin (two awards).

Dept. 46, R3Y Final: J. R. Myers.

Dept. 52, 340 Wing: W. A. Sanders, G. V. Shipley.

Dept. 55, 340 Fuselage & Control Surfaces: W. A. Clark, R. S. Cooper.

Dept. 60, Model 8 Wing & Tail: H. V. Stickel.

Dept. 70, Model 8 Fuselage: L. W. Dean.

Dept. 72, Model 8 Fuselage Primary: L. D. Hesterberg.

Dept. 101, Sheet Metal: H. Bryant, J. E. Claar, L. O. Laudermilk.

Dept. 102, Sub-Assembly & Processing: W. A. Markowski.

Dept. 115, Machine Shop: L. G. Bovee.

Dept. 203, Welding: F. E. Hitchcock.

Dept. 205, Metal Forming: C. D. Lane, J. J. Smith.

Dept. 215, Machine Shop: G. R. Eldridge.

Dept. 235, T-29 Primary: H. B. Allison.

Dept. 258, Proofing Mock-Up (Plant 2): W. P. Arnold Jr., J. H. Beseler.

Dept. 350, Proofing Mock-Up: H. E. Roth.

Dept. 401, Jigs & Fixtures: J. L. Cortez.

Dept. 403, Tool & Die Shop: K. L. Bowen.

Dept. 406, Plaster Pattern Shop: W. F. Mundell, A. Nease, F. K. Zavala.

Dept. 410, Purchasing: C. W. Kloss.

Dept. 522, Manufacturing Control: W. D. Bertsch.

Dept. 524, Tooling: R. W. Kincaid, M. L. Marks Jr., E. R. Newland.

Dept. 603, Tool Manufacturing: S. A. Morris, D. E. Tarleton.

New Books

SAN DIEGO

Following are the titles to new volumes recently added to the Convair Library at Plant 2 (Building 2, Room 3-1, south end first mezzanine):

A Guide to Technical Writing; Silicones and Their Uses; American Technical Society's Drafting; Machine Tools & Their Lubrication; Technique of Systems & Procedures; ASTM Standards on Copper & Copper Alloys; Construction and Use of Automatic Screw Machines; Metal Finishing Guidebook Directory; Accounting Systems, Procedures & Methods; Managerial Control of Business; Streamlining Business Procedures; SAE Handbook; Civil Air Regulations for Pilots; Elements of Practical Aerodynamics; A Flight Investigation of the Performance of Low Ceiling/Visibility Meteorological Equipment.

The Aircraft of the World; Better Tool Cribs; Rocket Propulsion; Practical Electricity; Alternating Current Machinery; Practical Radio Communications; How to Use Meters; Fundamentals of Transistors; Aeronautical Statutes and Related Material; U. S. Navy Safety Precautions; Mechanical Failures of Metals in Service; Beginning Electricity; Elements of Mathematics for Radio; Television and Electronics; Civil Air Regulations.

Births

SAN DIEGO

FIELDS—Daughter, Sally Ann, 6 lbs. 14 oz., born Dec. 4 to Mr. and Mrs. Wayne A. Fields, Dept. 40.

STURMAN—Daughter, Joan, 7 lbs., born Jan. 3 to Mr. and Mrs. Max Sturman, Dept. 603.

VALDEZ—Son, Onofre Jr., 7 lbs. 14 oz., born Dec. 14 to Mr. and Mrs. Onofre Valdez, Dept. 44.

POMONA

BILLIPS—Son, Timothy, 8 lbs. 5 oz., born Dec. 18 to Mr. and Mrs. James Billips, Dept. 22.

HINES—Daughter, Bonnie Jean, 6 lbs., born Dec. 28 to Mr. and Mrs. Paul Hines, Dept. 51.

VAN DICK—Son, Steven Mark, 6 lbs. 12 ozs., born Jan. 8 to Mr. and Mrs. Robert C. Van Dick, Dept. 27.

Lost & Found

SAN DIEGO

LOST—Ladies gold Benrus watch, inscribed "Ruth," between Midway Drive and Bldg. 2, Plant 2, Jan. 19. Contact Ruth Schmidt, Dept. 522-8, ext. 498 or 223, Plant 2.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective Dec. 27, 1954:

Dept. 2, San Diego Manager's Office: To production manager, MX 1593, O. Fortis.

Dept. 6, Engineering: To senior electronics project engineer, E. T. Clare.

Dept. 25, Plant Engineering: To chief plant engineer, MX 1593, W. J. Stanley.

Effective Jan. 10:

Dept. 4-1, Material Control: To material control asst. supervisor, R. E. Sabin.

Dept. 6, Engineering: To chief of aerodynamics, D. H. Bennett. To senior design group engineer, F. D. Applegate, G. A. Lemke. To design group engineer, D. Krause.

Dept. 9-1, General Accounting: To accounting supervisor, H. A. Kayes.

Dept. 25-1, Plant Engineering-Maintenance: To asst. foreman, D. E. Findlay, C. W. Rigney.

Dept. 115, Machine Shop: To asst. foreman, C. L. Ward.

Dept. 303-9, Model 8 Flight Test Operations, San Diego: To M/C asst. foreman, R. H. Browning.

POMONA

Effective Jan. 10:

Dept. 8, Manufacturing Engineering: To manufacturing planning supervisor, B. J. Smith Jr.

Personals

SAN DIEGO

The family of Vera Peck wish to express their appreciation to all her Charactron and Convair friends for their many kindnesses and help during her illness, and for the expressions of sympathy and beautiful floral tributes at her passing.

Deaths

SAN DIEGO

BRANDT—Ralph, Dept. 603. Died Jan. 12. Survived by sister.

FEMAL—Tom F., Dept. 28. Died Jan. 6. Survived by wife.

LE DOUX—Rowland E., formerly Dept. 30. Died Jan. 14. Survived by wife, Claudine LeDoux, Dept. 22.

THOMPSON—Kenneth S., Dept. 258. Died Jan. 13. Survived by wife, son, daughter, father, brother.

Look to Feature Convair Bow-Loader

The Convair-built Navy R3Y-2 "bow-loader" version of the "Tradewind" transport is featured in a picture story in the Feb. 8 issue of Look magazine. Several pictures show the R3Y-2 unloading troops, guns and trucks on a beach, loading a 155-mm howitzer and resupplying a submarine.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth - Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. **Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.**

Average Delay Less Than Minute As 340s Shuttle to Acapulco

Aeronaves de Mexico evidently is doing a land office business with their four model 340s, judging by reports from Howard Craig, field service engineer.

Although final figures were not in, December appeared to be a big—if not a record—month.

Predictions mentioned the figure of 30,000 passengers carried by 340s between Mexico City and Acapulco.

During July, August, September and October Aeronaves made 1,624 flights to Acapulco and return to Mexico City and carried 66,672 passengers. (Daily flights on this route are about every hour.) Average delay per departure was less than a minute!

Aeronaves also is using 340s on the Mexico City-Guadalajara-Tijuana route, three times a week, and high load factors are reported.

The Convair-Liners obviously are giving faithful service. One chalked up 301 hours in December and another 267.

L. H. Orpin Manager Long Range Planning For Convair Pomona

Appointment of L. H. Orpin as manager of long range planning at Convair Pomona was announced last week by C. F. Horne, division manager.

Orpin, whose appointment became effective Jan. 3, replaces W. A. Plourde, who resigned. A native of New Jersey, Orpin is an electrical engineering graduate of Louisiana State University, and also received a certificate for post-graduate studies from the Massachusetts Institute of Technology Radar School.

L. H. Orpin

After becoming a staff member of the MIT Radiation Laboratory in 1942, Orpin was engaged for several years in an intensive research, development and design program on microwave electronics systems. He was a civilian consultant to the U. S. Strategic Air Forces in Europe in 1944-45, and after the war joined Central Railway Signal Co. of Rochester, N. Y. In 1949 he joined Fairchild Guided Missiles Division, as a supervisory engineer, and in September, 1950, joined Convair San Diego. There he was in charge of an engineering group concerned with the development of a new type of radar equipment. He was transferred to the Pomona Division in October, 1953, as program planning administrator in long range planning, a position he held until his appointment as manager of the department.

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Kiebert Assistant to Pomona Chief Eng.

Appointment of Martin V. Kiebert Jr., as assistant to the chief engineer was announced recently at Convair Pomona.

Immediately prior to joining Convair Kiebert was chief engineer of the Tuner Division of the P. R. Mallory Co., and he formerly was director of the special products research department of Bendix Aviation. In the latter position Kiebert was in charge of the LOKI missile project and various other related Army Ordnance programs.

M. V. Kiebert

While serving as a commander in charge of the guided missiles branch, Electronics Division, U.S. Navy, Kiebert also served as a member of the Aeronautical Board, Guided Missiles Committee.

★ ★ ★

Gross Gets New Post In General Dynamics

Lambert J. Gross, a vice president and comptroller of General Dynamics Corporation, has been named vice president—finance, John Jay Hopkins, chairman of the board and president, announced recently.

Gross, who is also a member of the General Dynamics board, will be succeeded as comptroller by Lisle W. Adkins of Cincinnati, formerly with AVCO Manufacturing Corporation.

Gross joined General Dynamics in 1947 and was previously an executive of Adel Precision Products of Burbank, Calif.

70 Evening Classes Of Convair Interest To Start Soon at SD

Seventy evening classes, including some of general interest to Convair employees, will start during the week beginning Feb. 7 under sponsorship of the University of California Extension in San Diego.

Classes include numerous engineering topics, metallurgy, production planning and control, job evaluation and wage incentives, cost control, office organization and management and many others.

Information regarding these courses may be obtained at the Extension office, 1015 Seventh Ave., or by calling BE 9-9221.

Seven Perfect for Safety in December

Seven departments earned perfect scores in the December Safety Contest at Convair Pomona, T. R. Smith, assistant safety supervisor, reported.

Material (Dept. 4) will retain the safety trophy until a winner for January is selected, however, because that department worked more manhours than any of the six other winners. In addition to material, departments with perfect scores were: checkout equipment maintenance (Dept. 72), manufacturing control (Dept. 22), sub-assembly (Dept. 61), missile checkout (Dept. 73), sheet metal (Dept. 52), and final assembly (Dept. 62).

Other departments, listed in the order in which they placed, are: engineering (Dept. 6), experimental factory (Dept. 31), electrical assembly (Dept. 63), quality control (Dept. 27), machine shop (Dept. 51), plant engineering (Dept. 25), tool manufacturing (Dept. 42) and processing (Dept. 53).

Sandwich Structure Wing Section Shown

A number of Convair SD men got their first look at an amphibian with an unusual design feature Jan. 14 when the Goodyear GA-22A was on display at Lindbergh Field.

The center wing section of the four-place plane was made completely of Bandolite, an aluminum honeycomb sandwich structure. The manufacturer claims use of this new material reduces weight and simplifies design problems.

The amphibian was powered by a 225 horsepower engine mounted as a pusher in a nacelle above the hull.

Slides of European Scenes to Be Shown

Slides of his European tour will be presented by Robert Snyder of Long Beach at tomorrow night's Convair Pomona CRA Camera Club meeting, Herb Keller, commissioner, announced.

The meeting will be held at 7:30 in the CRA Clubhouse. The slides are in color, and were taken in 1954. Snyder will give a running commentary.

PAVING THE WAY—Convair took part, this month, in a press show at San Antonio, Tex., which heralded the entry of two new Convair airplanes into service for the Military Air Transport Service. They are the YC-131C turboprops, assigned to the 1700th Service Test Squadron, based at Kelly AFB. At right above, August C. Esenwein, Convair Fort Worth manager, is shown lunching with Maj. Gen. Thetus C. Odom, commander of San Antonio Air Materiel Area. Center above are, left to right: Maj. Gen. J. S. Stowell, W. O. Watson of Allison, B. F. Coggan, Convair San Diego manager, and Col. A. B. Cannon. In photo at left, W. A. Clegern, manager of Convair general field office at SAAMA; Lt. Col. Samuel Burgess, MATS continental division chief pilot; and J. J. Walden of Convair's SAAMA office, view Allison exhibit. YC131Cs, which have been undergoing flight tests at Edwards AFB, face a rigorous service test program for MATS.

General Field Office at SAAMA Year Old Soon

Next month Convair's general field office at San Antonio, Tex., will be a year old.

It has been an important year, too, in the development of Convair's contacts with that key point in the Air Force organization known as SAAMA (San Antonio Air Materiel Area).

Although Convair for years has stationed field service men at San Antonio (as far back, incidentally, as B-24s and World War II days and even longer), it was not until about 12 months ago that the general field office was created as a result of the growing importance of SAAMA to Convair operations.

"Growing importance" is putting it mildly. As a result of decentralization within the Air Materiel Command, SAAMA was designated the primary depot for maintenance, modification and support of all Convair aircraft flying for the Air Force. (No small matter, considering the fleets of B-36s and T-29s and oncoming C-131 varieties.) And also there was SAAMA's highly important role of monitor over Air Force contracts which Convair holds. (Also no small matter, considering the vast business which Convair conducts with the Air Force, not only at Fort Worth but at San Diego as well.)

To adapt to this situation, J. G. Zevely, Convair director of contracts and sales, created the general field office about a year ago and W. A. Clegern, an alumnus of San Diego but more recently chief of engineering flight test at Fort Worth, was ordered to San Antonio as manager. The staff was small and still is, composed of Clegern, J. J. Walden Jr. (who transferred last fall from the Dayton office to be assistant manager); LaNelle Lay and Betty Carney, office secretaries. Headquarters is on the twenty-second floor of downtown San Antonio's Transit Tower building.

Actually, however, Convair representation at San Antonio is much larger, including about a dozen division personnel assigned to SAAMA or to MATS (Military Air Transport Service). Their presence greatly increases Convair coverage of the myriad Air Force activities centered at San Antonio which range from sprawling Kelly Air Force Base (where both SAAMA and MATS are located) to nearby Lackland AFB (where AF recruits get their first taste of service life) to Brooks AFB (one of the AF's biggest medical centers). Kelly, incidentally, is the AF's largest supply depot and—unless the Soviets have a larger one!—the world's biggest.

Division personnel stationed at San Antonio attend weekly policy coordination meetings at the general field office. It is then that ideas and information are exchanged that increase the scope of Convair's knowledge of developments.

"Although Air Force headquarters are located in Washington; and Air Force procurement is centered at Dayton; the smooth operation of Convair's business with the Air Force depends a great deal upon the day to day contacts with SAAMA," Zevely commented.

"As those contacts cover a wide latitude, Convair representatives at San Antonio are constantly called upon to 'double in brass.' One minute they may be coordinating an engineering matter and the next working on a problem for sales or contracts."

Representing San Diego Division are Joe Dennis Jr., Don Maxion and Art Snyder, of service engineering, and Charles Jessup of parts sales. Their prime responsibilities to date have been largely concerned with the T-29 and C-131 aircraft, helping resolve engineering and support problems through direct contact. The oncoming F-102 program doubtless will mean more activity for them.

Until Dec. 1, Fort Worth Division had four service engineers, Bob Hallam, Howard Bissel, Clay Henry and Stan Fulton, with the latter in charge. At the moment, Henry is the only Fort Worth service engineer on hand.

Providing coordination between Fort Worth and SAAMA's supply people are Otis Tucker and Ray Wadsworth who represent material department. John Henson represents Fort Worth's contract spares activity and is charged with securing spares for the B-36, YC-131C and B-58.

Three secretaries assist division personnel at San Antonio. They are Jean Randel, Shirley SaFranko and Sarah Howell.

Fish Named Prexy Of Desert Shooters

E. A. Fish was elected president of the Palmdale-Edwards section of the Convair Gun Club at a recent election in Lancaster.

Other officers include C. C. Thomason, secretary-treasurer, and L. Cook and M. D. Pruitt, range masters.

The group meets once a month and conducts monthly "open" shoots.

CONVAIR MEN TO SPEAK FOR CLASS ON COST CONTROL

Wayne O. Zook, Convair SD senior price estimator, will instruct a class in "Cost Control for the Supervisor" beginning next month at San Diego and featuring a number of Convair men as guest speakers.

The course is offered by the California University Extension and is designed to give supervisors and administrative personnel a clear understanding of cost control and assist individuals in developing effective procedures. It starts Feb. 10, 7 to 9:30 p.m., Room 112, Roosevelt Junior High and continues for 12 meetings. Fee is $18.

Zook said the course will include emphasis upon the human factors in gaining general support and acceptance of cost control systems.

Among the guest speakers scheduled are J. A. Dufresne, Convair director of budgets; R. C. Pederson, manager of estimating; J. M. Jones, planning and estimating supervisor; R. D. Marks, chief of standards and control; J. B. Henn, supervisor of performance reporting; B. P. Gibbons, manager of material; E. E. Johnson, supervisor of project budgets; J. J. Curley, budget analyst.

Further information can be obtained from training at San Diego, or from Zook.

Juanita Anderson Dies Suddenly at SD

Juanita Smith Anderson, secretary in Dept. 1-41, public relations at San Diego, died suddenly Saturday, Jan. 22, in a local hospital.

A native of Iowa, she had lived in San Diego for 19 years and had been with Convair since 1937. Before joining public relations she was in plant engineering for a number of years.

She is survived by her husband, Cecil Anderson; a daughter, Joan E. Pierce, and two grandchildren.

Services were conducted yesterday in Benbough Mortuary, San Diego. Burial will be in Marshalltown, Iowa.

COFFEE TIME—Convair girls at San Antonio get together. Left to right, Sarah Howell, Jean Randel, Shirley SaFranko, LaNelle Lay, Betty Carney.

COORDINATING—Convair men assigned to San Antonio, shown at weekly coordination conference. Seated, left to right: C. C. Henry, Ray Wadsworth, Joe Dennis Jr., Charles Jessup, Bob Hallum, W. A. Clegern. Standing: Stan Fulton, John Henson, Otis Tucker, Howard Bissel.

YC-131C Enters Service Of MATS at Kelly AFB

(Continued from Page 1)

gan and Esenwein spoke briefly. (The planes were made originally at San Diego as 340s, then changed to YC-131Cs at Fort Worth.)

Lynch told of the work done by Convair Fort Worth employees. This was largely building and installing the smaller nacelles and extending the tail section and rudder.

"Our nacelles," he said, "include some growth factor. That is, they're big enough to take later models of this same engine — the Allison T-56 — with only minor changes."

Present engines rev up to 3,250 equivalent shaft horsepower. Later models may go up to around 4,000 horsepower.

He pointed out that while the turboprop engines give the plane higher performance than their piston-powered sister, the engines nevertheless are more than a ton lighter than the piston engines they replace.

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Convair Proposes A New Turboprop

(Continued from Page 1)

in trade circles speculating on Convair's "follow-on" airplane.

It was noted that among the engine combinations listed is the Allison T-56, power plants for the YC-131C which Convair built for the Air Force and which is undergoing service tests by Military Air Transport Service.

Sun Shines For SD Golf

(Continued from Page 1)

Conservative estimates placed the last day throng at 10,000, though some estimates were even higher.

E. F. Jones, tournament director, said that it will be some time before all the accounts have been audited and approved but indicated that the tournament this year will not lose money—as it did in 1954 when rain marred the event at Rancho Santa Fe—and that there may be more than the $1,000 guarantee for the San Diego Society for Crippled Children. The Society benefits from any profits from the gate receipts.

Jones was high in his praise for the more than 200 tournament officials, many of them from Convair, whose long hours and devotion to golf made the tournament a success.

"I can't say too much for Russ Osgood's organization and the way they performed," he said. "The press room staff, the scorers, the marshals for the galleries, the members and personnel of Mission Valley Country Club, merit the thanks of Convair and all followers of golf in San Diego."

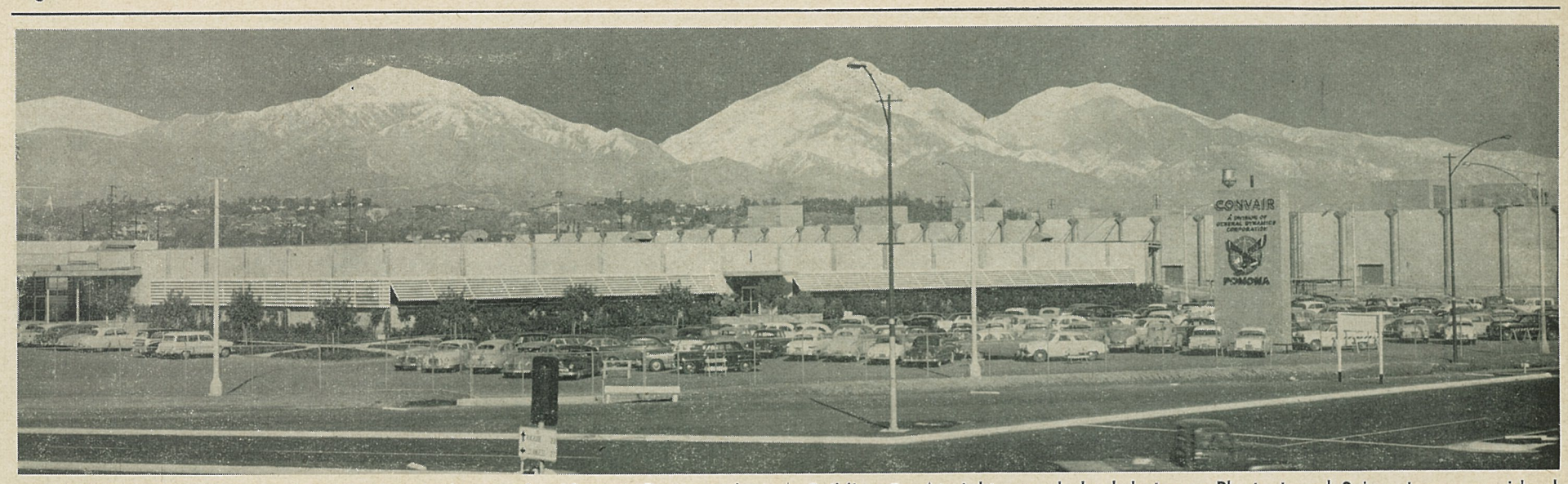
Fashion Show Added To Women's Events

(Continued from Page 1)

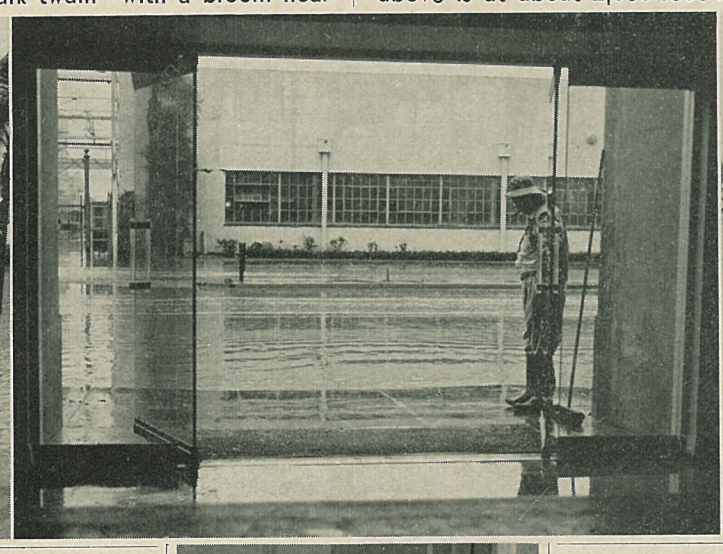
1 and 2.

Meanwhile, the regular monthly "Ladies Night" program is continuing. The next will be Tuesday evening at 8 p.m. at the House of Hospitality, Balboa Park. The regular speaker, Miss Robley Baskerville, will discuss "Feminine Fun and Fanciful Facts." There will be door prizes and a social hour will follow the lecture.

All Convair women and wives of Convair employees are invited to attend. There is no charge.



THE WEATHER—It came close to Convair this month. Above is Pomona plant where snowfall in mountains was plain to be seen and brought light hearts to the ski fans. Below are shots of San Diego plant during heavy rain that brought out the mops. Below left, a guard does a tentative "mark twain" with a broom near Building 5. At right, guard shack between Plants 1 and 2 is a temporary island. Center shows entrance to Building 19, where water is curb deep and Dewey Rinks of maintenance is considering putting up a sandbag barricade. That snow in photo above is at about 2,000-foot level.



Ultrasonic Device Spots Flaws In Bonding For Test Lab at FW

Superman's X-ray vision has nothing on Convair Fort Worth engineers.

They can "see" through things, too.

The engineers with the "good eyesight" are a group in the engineering test lab. They "see" with the help of what is commonly referred to as a STUB meter.

In plain English that means "Stanford Testing Ultrasonic Bond" Meter—a new type machine that will be worth its weight in gold in B-58 supersonic bomber production.

The gadget already is used many hours of the day in the test lab. Its purpose: to see that Fiberglas honeycomb and aluminum slugs are properly stuck together between two aluminum sheets.

Since these sheets will be part of the primary structure, it's very important that they're "stuck together" properly.

It works like this: the operator spreads a film of oil on the part to be tested. Then he takes a tube-shaped object known as a ceramic crystal and runs it over the surface of the aluminum.

Because the ceramic crystal has special electrical properties, it can receive as well as transmit electricity. It picks up a signal from the aluminum plate and sends it back to be recorded. This response is viewed on an oscilloscope.

By the lines on the screen the operator can tell if the part being tested is properly bonded. The instrument can detect such flaws as voids, undercured bonds, low pressure bonds and bonds made on improperly cleaned surfaces.

"It's the best method we've found," said Henry Growald, FW chief of engineering tests, "for non-destructive testing. You don't make much progress when you have to take the panels apart to see if they're perfect or not."

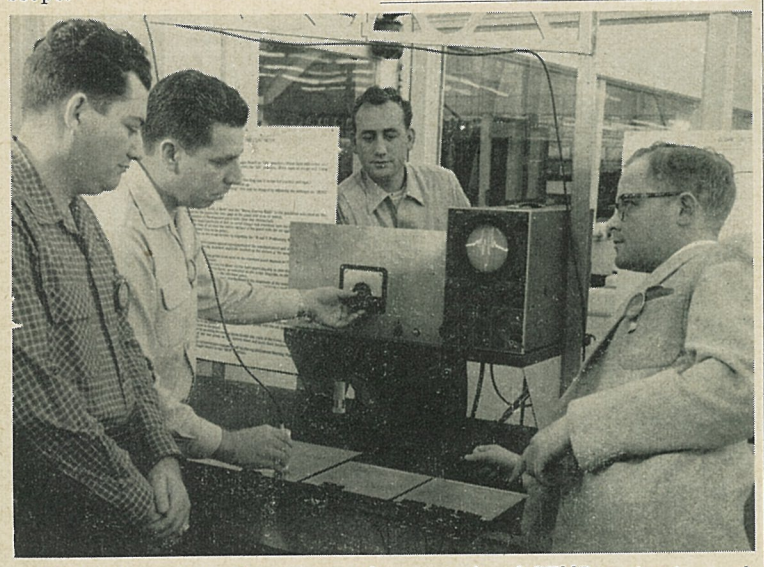
Growald said that the instrument first was thought of at Stanford Research Institute.

With Stanford's work as a background, Convair engineering test lab designed, developed and built their own machine. E. L. Gray, R. M. Cunningham, J. L. Stribling and C. E. Horn were among the "brains" behind it.

SD Man Nominated For National Post

T. J. Moffett (Dept. 6) of Convair SD has been nominated for the national presidency of the Society of Aeronautical Weights Engineers.

Moffett was one of the founders of the San Diego Chapter of the organization and now serves as a national director. The election will be held in April and the new officers installed at a national meeting of the group at Dallas in May.



TESTING—E. L. Gray mans the controls of STUB meter in engineering test lab during test on honeycomb panels. With him are J. L. Stribling, R. M. Cunningham and C. E. Horn, who shared in development of machine.

During heavy rain, water even trickled into office of B. F. Coggan at San Diego. But Secretary Catherine Chase was equal to emergency. She donned galoshes and kept on with her work.

Committee Chairmen to Host FW Convention of Foremen Selected

Committee chairmen for the 1955 convention of the National Association of Foremen in Fort Worth were announced this week by Wes Magnuson, superintendent of fabrication at Convair Fort Worth and convention chairman.

Loyd Turner, special assistant to the manager, will be convention co-chairman.

Budge Lee, chief project industrial engineer, is in charge of the program committee; George Symm, inspection supervisor is in charge of arrangements.

Sam Keith, chief of traffic, is entertainment chairman, and I. B. Hale, chief of industrial security, is in charge of housing.

L. H. Allen, tool engineer, heads the reception committee; and Bruce McHarg, manufacturing control superintendent, is in charge of registration. Larry Hayes, Dept. 2-5 administrative assistant, heads the public relations committee.

Cecil McClure, Dept. 8 supervisor, will serve as co-chairman of both program and housing committees.

Other committee members are: Ed Blaine, Ed Wright, Bill Stumbo, E. A. Cartwright, H. L. Montgomery, W. H. Vinson and E. V. Gish on the registration committee.

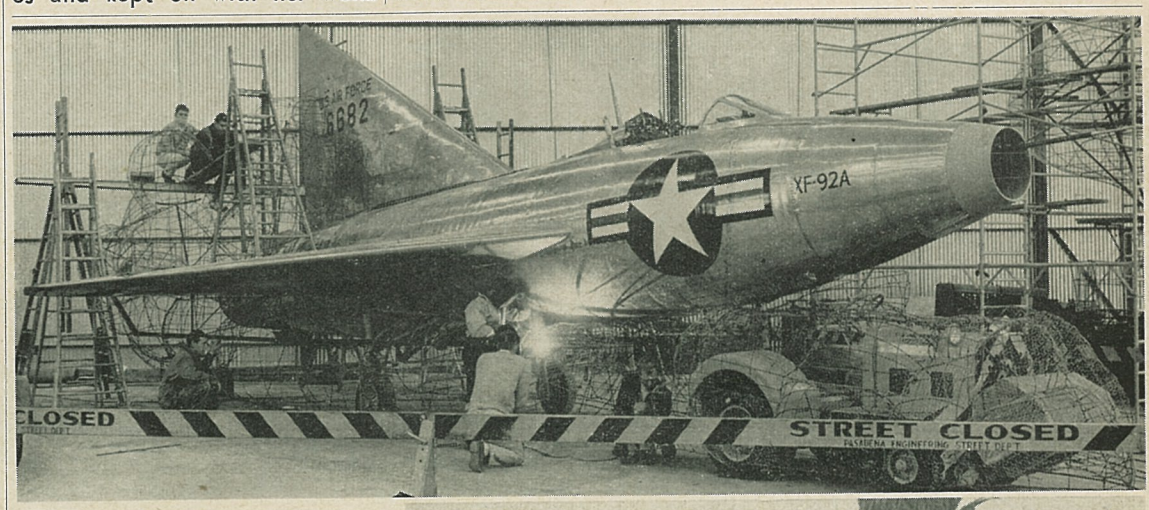
M. H. Holloway, Melvin Gross, Fred Carlile, Taber Ward, Jimmy Matthews and Bob Vollmer are on the public relations committee.

Other committee members will be announced at a later date.

The NAF convention will be held in Fort Worth early this fall, the first time an NAF convention has been held west of the Mississippi River.

SD COUPLE WED

Millie Ward, Dept. 340 and Walter Peterson, Dept. 401, Convair San Diego, were married Jan. 15 in the First Congregational Church, National City.



FLYING LOW — Although Tournament of Roses entry in U.S. Army photo at right was novelty to most of Pasadena on New Year's Day, it held nostalgic memories for Convair viewers. Float was built around Convair's famous old XF-92, now permanently grounded as an Air Force traveling exhibit. Shown in cockpit is Col. Royal Baker, AF jet ace, and hidden beneath flowers at wheel of towing tractor is Tony Funaro of SD field operations. Picture above shows ship during preparation for parade, with billows of wire mesh to hold flowers.

ON CAMPUS—Jerry Ratcliff and John Howell of Convair FW photo lab shown at University of Texas campus, where they were filming activities in connection with classified B-36 project. University engineers help reduce Convair data.

University Group Aids B-36 Project

Convair is getting an assist on a classified B-36 project from picked personnel at the University of Texas.

Data gathered by Convair Fort Worth flight tests group is forwarded to Austin where a group of professors, graduate students and a few undergraduates at the Military Physics Research Laboratory reduce and analyze with an IBM card calcluator system.

A color movie on the project was made recently by members of the Convair FW photo lab and engineering publications section.

Letter Recalls Old Flying Boat Sold to Nippon

An inquiry from a private individual last week developed the information that Convair had an airplane flying for Japan in World War 11.

The query was from a private individual doing research on Japanese aircraft and involved a Convair P2Y-1 shipped to Nippon from Buffalo about 1934. The correspondent revealed that the airplane was used for design study and comparative tests against Japanese flying boats; was operated by the Japanese Navy and later sold to a civil airline which operated it during the war.

J. L. Kelley, pioneer Convair man and now assistant to the vice president-engineering, recalled that a service engineer went with the shipment to help in assembly in Japan and was barred from the factory, for security reasons. I. M. Laddon, another Convair pioneer and now a member of the General Dynamics Corporation Board of Directors, also recalled the incident and remembered that a pilot was sent along to give flight instructions that turned out to be the briefest on record. Just one or two flights and they sent him home! (Incidentally, the rudder bars needed extensions before the short-legged Japanese pilots could reach them.)

So far as is known, this was the only Convair aircraft which flew for the Axis in World War II.

You will be doing yourself a favor by keeping Convair up to date on your income tax exemptions.

Convair Teen-ager Runs a Kennel Of Pedigreed Collies, Shepherds

A Convair daughter, at 15, is one of Fort Worth's youngest dog breeders.

She is Fern Reconnu, daughter of F. C. Reconnu of Convair FW's Dept. 25-3. She lives with her parents on a small farm near Richland Hills which also is home for four German shepherds, six collies and three shelties, all with princely pedigrees.

Three years ago Fern was saving her money to buy a horse. But, ladylike, she changed her mind and bought an AKC registered dog instead. One dog led to another and that led to comfortable kennel quarters for the growing pack. And before long Fern was in "show business." Competing in shows at Fort Worth, Dallas, Shreveport, Houston, and Austin, Fern's dogs have collected two trophies, 14 ribbons and a rosette. Her favorite, Jorette, a female German shepherd, recently took best of match in the Fort Worth Sanction Match of the German Shepherd Dog Club.

There is a lot more to it than just feeding and caring for the dogs. Obedience drills are a big part and Fern puts in almost all her spare time training. The avocation right now has her aiming at a career as a veterinarian.

"Even though our pups command a good price, we just about break even," Reconnu said. "But money isn't too important, compared to the fun we get out of it."

DOG FANCIER—Fern Reconnu, 15, Convair FW daughter, shown with two of her show winners, "Little So" and "Jorette." Latter's sire and grand sire were national champions.

CONTACT!—Aeromodelers at San Diego prepare to start up "rocket engine" of tiny model. It is attached to pylon by six-foot length of music wire and goes around like July Fourth pinwheel.

Indoor Hops

Rocket Models Fly in Circles

"Rocket airplanes" are fast losing their novelty at Convair San Diego. And that's no breach of security.

But they are gaining advocates, at least among the members of the CRA Aeromodelers.

These "rocket airplanes" are tiny models that began to make their appearance a year or so ago, the result of the development by British manufacturers of an inexpensive power plant. Recently, however, modelers at San Diego have turned to them as well adapted for wintertime flying indoors.

"The big advantage is we can fly them at night meetings, and we don't need much space," Walter Mooney, Aeromodelers secretary, said.

The models are attached to a pylon by a thin music wire and when the power is on they whiz around like a July Fourth pinwheel. The "power plant" is little more than a cartridge which holds a charge of fuel about the size of the cork tip on a cigarette. It is ignited by a tiny fuse. The blast lasts 15 to 20 seconds. Different power plants offer from a half ounce of thrust to eight ounces. Called "Jetex," the power plants are inexpensive, just under $2 for one of the lesser ones plus several "recharges."

G. G. Witt of Dept. 6, another veteran modeler, reported that Aeromodelers' planes have hit 60 mph, but British enthusiasts, using greater power, have got up to 170 mph. "They never stop accelerating as long as the engine is working," he added.

Timing the little buzz bombs is a problem. Up to 60 mph a fair job can be done with a stop watch, clicking off several revolutions around the pylon. But for speeds above that the Aeromodelers may have to develop an electronic device.

Not only speed models, but some excellent scale models have been developed with Jetex power, such as a Russian Lavochkin 17 and a Grumman Cougar built by Jerry Robinson of Dept. 6 SD and a Boeing Bomarc missile by Frank Wislofsky of Dept. 603.

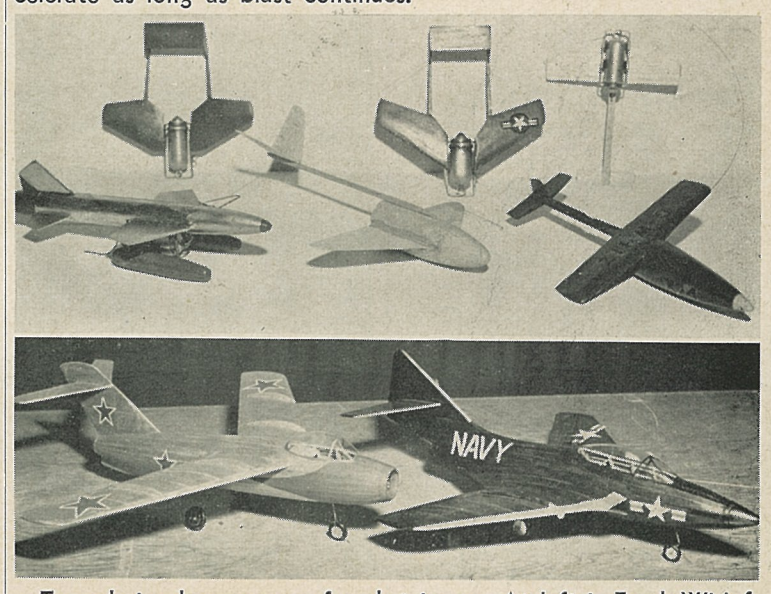
Mooney reported that the Academy of Model Aeronautics has recognized the new rocket ships and ultimately they may develop into a regular division for competition.

Aeromodelers at San Diego now number about 50 active members.

GIRLS SOUGHT FOR JUNIOR HOSTESSES

Convair San Diego girls between the ages of 17½ and 30 are invited by the USO to join their junior hostess program. Interviews may be arranged by contacting Helen Judd at BE 9-2197 between the hours of 9 a.m. and 5 p.m.

WHOOSH—SD Cameraman Paul Carrier was hard put to catch this speeding model as it whizzed around pylon. San Diego modelers have achieved mile-a-minute speeds with rocket ships. Planes accelerate as long as blast continues.



Top photo shows some of rocket types. At left is Frank Wislofsky's "Bomarc missile." In lower picture are scale jobs of Russian Lavochkin 17 and Grumman Cougar, result of work by Jerry Robinson. Rocket-powered models in free flight will ascend several hundred feet and glide back to earth.

Convair SD Keeps Plugging Away With Eye on New Safety Marks

Convair San Diego is doggedly plugging away toward another "lost-time injury holiday" that will meet or exceed the record 59-day period experienced during 1954.

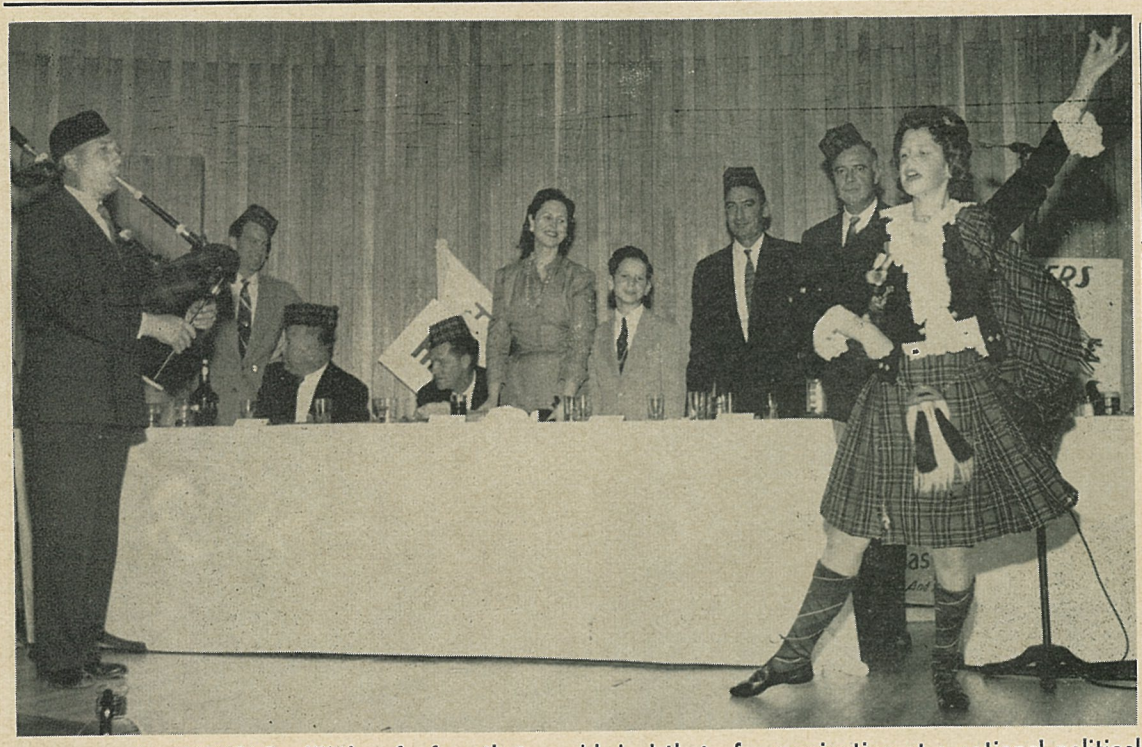
But since then the best mark set was a 37-day stretch last fall. A 21-day "holiday" ended Jan. 7 when a maintenance mechanic suffered a hand and forearm injury in a freak accident while repairing an air compressor.

In between, Convair SD has had lesser periods of freedom from lost-time accidents, but each one has been halted by comparatively minor accidents. One was a fractured toe, suffered when a part fell on the foot. Two others were strained backs, one incurred while lifting a 25-pound box and another while helping move a 35-pound part. Both cost 10 days' lost time.

* * *

Three functions at Convair SD posted perfect safety records during December to tie for the monthly safety trophy.

Fabrication departments (101, 102, 110, 115) at Plant 1 under Supt. F. E. Grossher worked 163,057 manhours for the top spot. Also tied for first was manufacturing control (22) at Plant 1 under T. F. McAleer, and electronics and armament departments (250, 350, 355, 375) under Supt. F. B. Kemper.



MAN OF THE YEAR—With a fanfare that would rival that of a nomination at a national political convention, the Convair SD Management Club this month selected John (Scotty) Doig as "Mug o' the Year 1954." He was honored at a meeting last week in the El Cortez hotel. Scotty is shown at left giving an impromptu performance on the bag pipes. Mrs. Doig, daughter Diane, 13, son, John, 11, were present and it was all a surprise to Doig. Highland caps were worn in his honor.

Rivets

Jim Kelley didn't have to start the engine of his car when he left for home the other evening.

The motor was already running. Had been, in fact, since he left it at lunch time!

* * *

Dog days:

Jack Dufresne, the budgets man, who settled in Mt. Helix partly to have a place where he could keep a dog, has a dog no longer. His beagle ate up $20 worth of shoes as a starter and finally had to go when a neighbor complained that the dog "parachuted" into their yard and frightened their pet geese.

Jack Porterfield of PR is fresh out of a Dachshund. The dog ate up his wife's mink stole.

* * *

We were amused by a sign printed over the window of a stock crib at Holloman where **Lowell Hoffman** holds forth. It reads: "Blessed are those who travel in circles. They shall be called wheels."

SD Club Will Display Coins and Currency

Gold coins and old currency will be on display when the Convair SD Coin Club holds its regular monthly meeting at 7:30 p.m. Feb. 1 at Dartlee Hall, 3680 Sixth Ave.

"We urge coin collectors to bring their old coins for appraisal at the meeting and to see this fine collection," said Commissioner Jerry Schultz.

Movies will be shown and door prizes awarded.

Anna Cunnion New Prexy of Gardeners

Anna Cunnion, Dept. 250, has been elected president of the CRA Garden Club at Convair San Diego for the second year, E. L. Zimmerman, commissioner, announced.

Ardina Cantrell, wife of F. L. Cantrell, Dept. 102, was re-elected club secretary. She has held that position since the club organized several years ago.

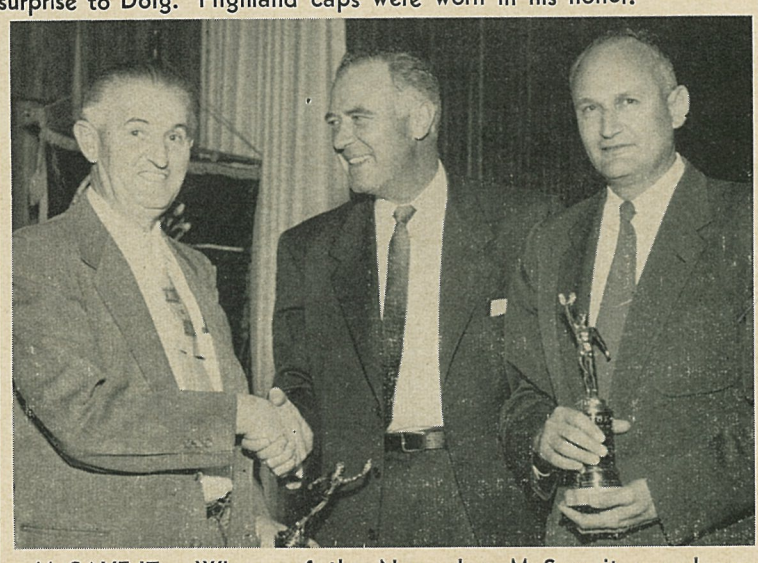
Entries Being Taken For SD Plant Chess

Entries are now being taken for the annual Convair SD plant chess championship which starts Feb. 16, A. E. Munson, CRA commissioner, announced this week.

The tournament is open to all Convair employees and their families and will be played at CRA Clubhouse each Wednesday night. Final date for entries will be Feb. 9.

To enter, contact Munson at ext. 1536, Plant 1.

Convair Recreation Association operates for your pleasure. Look over the activities on this page and take your choice.



McSAVE-ITs—Winner of the November McSave-it award was R. B. Grimes of Dept. 204, left, while at right is Larry Tuttle, Dept. 35, winner in December. Center, making awards at last week's Management Club meeting is Al Morgan, assistant division manager-operations.

The Mug o' the Month award for December went to Larry Roth of Dept. 210, shown at right receiving trophy from Jim Hopkins of office services.

Skaters Plan Bus Trip North in Search of Ice

After a period of no activity, the Convair San Diego Ice Skating Club will take to the road Jan. 30 in quest of a suitable skating arena.

Plans call for chartering one or two special buses to take skaters to San Bernardino for a day of skating at the arena there. The buses will depart from Convair parking lot beside Building 19 promptly at 7:30 a.m., returning to San Diego at approximately 4:30 p.m. The skating session will run from 10 a.m. until 12:30 p.m.

"Transportation costs will not run over $3," said Bud Davies, ice skating commissioner. "Skating fees will be 90 cents per person and rental skates will be available for 35 cents."

Arrangements for the trip have been worked out between the CRA group and the San Diego Figure Skating Club.

"Because we must charter enough buses, we are asking those planning to make the trip to buy their tickets in advance," Davies said.

Tickets may be obtained from Martha Woodberry at the employee service office, Plant 1, from Davies in the flight test section of engineering or phone Cal Kosen, president of the SD Figure Skating Club.

Potted Plant Show Will Be Held Feb. 13

Date for the Potted Plant Show held annually by the Convair Garden Club at San Diego has been set for Sunday, Feb. 13.

Individual classes for exhibits include cacti, succulents, ferns, begonias and African violets. There will also be a class for miscellaneous exhibits which do not fall in specified classifications. First, second and third prizes will be awarded in each division.

Entry lists are available at employee service desks at both plants.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays and second Tuesday of each month, 7 to 9:30 p.m. Monthly field shoots second Sunday of month, 9:30 a.m., Gold Gulch. Instruction Saturdays 10 to 12 a.m. Equipment available.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10:30, adults (Fox Trot, Waltz). Tuesdays: 7:30 to 8:30 p.m., adults (advanced Fox Trot and Latin); 8:30 to 9:30, adults (beginning Fox Trot and Latin). Wednesdays: 7:30 to 8:30 p.m., adults (intermediate Fox Trot and Latin); 8:30 to 9:30, adults (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Samba, Tango, Rhumba, Mambo). Juvenile classes: Saturday mornings, tap, acrobatic and ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 583 or 411, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 541, Plant 2 (nights). Darkroom open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Annual tournament starts Feb. 16. Entry deadline Feb. 9.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park. Annual potted plant show Sunday, Feb. 13.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245; Gene Horstman, ext. 744, commissioners, Plant 1. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot Sunday, Feb. 6, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Chartered bus will take San Diego ice skaters to San Bernardino Ice Arena for private skating session Sunday, Jan. 30. Bus tickets may be obtained from Davies or Martha Woodberry, employee service, ext. 1245, Plant 1.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Jan. 27) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 295, Plant 2. Class schedule: Mondays, adults 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate 12 noon; advanced 1 p.m., at Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658. Election of officers at Feb. 12 meeting.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

SKIN DIVING—Bob Hutson, commissioner, ext. 321, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Mort Rosenbaum, president, ext. 1381, Plant 1. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Intermediates, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—Discontinued until February.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1621, Plant 1.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Robley Baskerville will lecture to Convair women Feb. 1, 8 p.m., House of Hospitality, Balboa Park. All Convair women and wives of Convair employees cordially invited.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, Jan. 28: TARZAN'S SAVAGE FURY, with Lex Barker.

Friday, Feb. 4: HOPALONG CASSIDY, with Bill Boyd. Plus selected cartoons.

Driver-Navigator Teams Compete In San Diego Sports Car Contest

Forty-four cars turned ont for the "Nutz and Boltz Rallye" staged Jan. 9 by the Convair SD Sports Car Club, including 10 guest cars from Ryan.

Departing from the executive parking lot, the cars traveled through Escondido, Ramona, Rincon Springs and Del Mar before returning to the starting point.

"Object of these meetings is not speed but to test the ability to drive against time at averages well within the existing speed limit," said Jerry Schultz, commissioner. A driver-navigator team rides in each entry.

Three awards were presented as well as a special award and a "booby prize" fox tail. Winners in their respective order with the driver named first included: R. J. Blake-R. C. Farrar; F. Holmes-F. C. Rosacker; and R. W. Gilbert-R. G. Camp. The special award went to G. L. Hart and the fox tail was won by C. D. Taylor and J. Corbett.

★ ★ ★

Race Driver to Talk For Sports Car Club

One of the world's all-time great racing drivers — Ralph De Palma — will address the Convair SD Sports Car group at its meeting tonight (Jan. 26). The meeting will be held at the Natural History Museum, Balboa Park, beginning at 7:30 p.m.

De Palma was a racing driver 27 years during which time he won 2,557 of the 2,889 races he entered including the 1915 Indianapolis "500."

He will show several sound films of general interest to sports car fans.

The meeting is open to all Convair SD employees and their families who are interested in sports cars.

Delta Divers Fifth In County Contest

Convair San Diego's Delta Divers finished fifth in the first big San Diego County spear fishing contest staged at La Jolla Beach and Tennis Club Jan. 9.

Some 2,500 spectators were on hand to watch the underwater show sponsored by the AAU's Southwest Pacific Border Association.

Individual honors went to several Delta Divers including CRA Commissioner Bob Hutson who placed second in the largest ray contest with a 56-pound catch. Tom Simpson placed second in the largest abalone section with a three-pound, three-ounce catch and Charles Niclin won first for his three-pound, 15-ounce octopus.

GOLF WEEK—Last week was one for linksmen, with both Hopkins Trophy and Convair Open played in San Diego area. Top right is Convair's Scotty Doig, announcing matches. Top left, with E. F. Jones, tournament director in background, are tournament queens, bundled up as late afternoon brought cool breezes. Lower, center, is John Jay Hopkins with Stan Leonard, captain of the Canada team, with L. C. Powell of Canadair. At right, Gen. Joseph T. McNarney presents cup to Team Captain Chick Harbert after U. S. team won Hopkins Trophy. At left, left to right: T. G. Lanphier Jr., Convair vice president, Ray O'Brien of P.G.A., Powell, and Fred Corcoran of P.G.A. O'Brien said 1955 Open was one of best run in his experience.

Three Teams in Basketball Tie

After two nights of play a three-way tie exists for first place between the Rogues, Test Labs, and Mishaps in the Convair Pomona plant basketball league, reported Leon Carver, CRA commissioner.

Each of the three teams boasts one win and no losses.

The Mishaps were impressive in their first league game, winning 75 to 20 over the Eagles. This extended their win streak for the season to eleven straight.

The next league games are scheduled for Friday, Feb. 4, with the Eagles playing the Rogues at 6:30, the Mishaps playing Dept. 51 at 7:45, and the East Enders playing the Sinkers at 9.

Because of unavailability of gym facilities, the league schedule has been reduced to only three nights of play (nine games) until the middle of February. From then on games are scheduled every Monday and Friday until March 11, except for Friday, Feb. 25.

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Convair defeated Hadley's Machine Shop 64-38 in the Pomona Civic League Jan. 13. Convair is now tied with the Mormon Church team for second place in the basketball loop.

Leading the league is the "76" Dealers team with three wins and no losses.

Tomorrow night the final games of the first round will be played with Convair meeting the Mormon Church team at the Pomona High boys gym at 7:15.

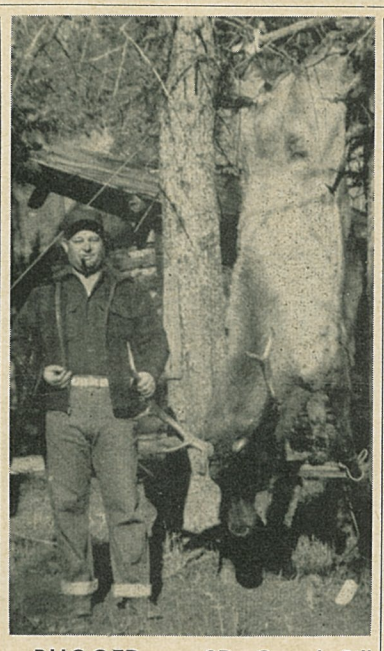
The second round will commence Monday, Jan. 31, when Convair will again play the "76" Dealers at 7:15.

Eagles Score Three Victories in a Row

Convair SD's Eagles continued winning during the past two weeks of basketball action in the Industrial League, taking three straight. The City League team copped three victories and dropped one game.

The unbeaten Eagles downed the Rohr Jets 45-27, topped the Fire Department five by a 50-36 count and won a 54-26 victory over Naval Air Station team No. 1.

Playing in the highest league in San Diego (City), Convair's entry took a 39-21 victory over Mutual Fire, eked out a 44-41 victory over the Roadmasters, and won a forfeit game over Grays. Pepsi Cola handed the hoopsters their second loss of the season by a 49-37 count.



RUGGED — SD Guard Bill Hendon, shown by five-point elk he shot near Dunton, Colo., last fall. He also bagged two deer. But Hendon says it's rugged country to hunt over. He lost 14 pounds during trip.

Tourneys Listed For Golf Year

CRA golf activities at Convair Pomona will include a tournament each month during the coming year, Commissioner Paul Kiszeli announced last week.

"We will lead off the season with a blind bogey meet Feb. 19-20 at Los Serranos Country Club," Kiszeli said. "Our mid-season tournament will be June 18-19, and our annual plant championship tournament will be Sept. 17-18. We will shoot for Thanksgiving turkeys Nov. 19-20, and for Christmas hams Dec. 17-18. The type of matches to be held each month will be decided by the golf committee."

Members of this committee are N. R. Graham, N. A. Rossman, Bill Myers, Bill Moon, Don Pile, Jack Brewer, Hal Purnell, Ed Harlan, Frank Bowles, Newell Griswold, John Nimitz, Hank Gunski, Jack Penland, Al Zarracina, Harry Boles, I. E. Sprague, W. B. Gilreath, Fred Buck, Dan Reid, Jack Bailey, Harry Stephens and Dick Childs.

A set of basic rules is being prepared by the committee which will govern the CRA golf group in general. These will be announced in the near future.

Dates of the other monthly tournaments are: March 19-20, April 23-24, May 21-22, July 23-24, Aug. 20-21, Oct. 22-23, Jan. (1956) 21-22, and Feb. (1956) 18-19.

Lead Hotly Disputed as SD Hoop Play Continues

Plant basketball leagues at Convair SD begin a run to the wire during the next two weeks with the end of the first half of play in both sections scheduled for the first week in February.

The Tuesday section is still very much in doubt after two full weeks of play and one week in which games were postponed due to wet courts. Tooling and Final Assembly have won two straight, while Dynamics has dropped but one game in three starts.

After two full weeks of play in the Friday section, 340 Wing and Manufacturing Control were undefeated.

Scores in the Tuesday section included: Final Assembly 2, Planning 0 (forfeit); Tooling 41, Parts Sales 39; Dynamics 37, Wing Section 25; and Dynamics 2, Planning 0 (forfeit). Two other games were cancelled because of wet courts.

Friday scores included: 340 Wing 40, Fuselage 16; Service Publications 29, Loft 27; Manufacturing Control 45, Apprentices 30; Mfg. Control 52, Fuselage 31; Apprentices 23, Loft 22; and 340 Wing 39, Serv. Pub. 33.

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SCHEDULE

Tuesday

Date	Time	Teams
Feb. 1	6:50	Dynamics vs. Final Assy.
Feb. 1	7:55	Tooling vs. Wing Section
Feb. 1	9:00	Part Sales vs. Planning
Feb. 8	6:50	Dynamics vs. Parts Sales
Feb. 8	7:55	Tooling vs. Planning
Feb. 8	9:00	Final Assy. vs. Wing Sec.

Friday

Jan. 28	6:50	340 Wing vs. Loft
Jan. 28	7:55	F-102 Fuselage vs. Appr.
Jan. 28	9:00	Service Pub. vs. Mfg. Control
Feb. 4	6:50	Loft vs. Mfg. Control
Feb. 4	7:55	Service Pub. vs. F-102 Fuselage
Feb. 4	9:00	340 Wing vs. Appr.

'Gunmen' Add Another Shoot

On a trial basis, Convair SD Pistol Club has added another monthly shoot to its regular schedule, Commissioner Ash Bishop announced this week.

"We will now shoot at 9 a.m. on the second and fourth Sunday of each month instead of only on the second," Bishop said. "The second event will replace the San Diego Police Revolver shoot which has been discontinued."

All shoots are at the San Diego Police Pistol Range.

At a recent meeting Jim Baxter was reelected president. Other officers are: Bill Dittmann, vice president; Harvey Ingalls, treasurer; Ash Bishop, secretary; and Keith Bentley, range officer. Bishop also served as secretary in 1954.

Results of the club's Jan. 9 shoot included in the .22 police course: master class, Tom Little (289), Joe Williamson (286); expert class, Jim Baxter (279), Jake Nerlinger (279) (Baxter won shoot-off); sharpshooter class, Howie Wilson (274); marksman class, Charles Ries (274).

The .22 short national match winners were: Tom Little (284), Joe Williamson (277) and Keith Bentley (275).

Vacancies Listed in Top SD Keg Leagues

Convair San Diego's two highest CRA bowling leagues (775 and 850) are in need of four or five bowlers to bring their league rosters up to full strength, Commissioner Jim Hayman reported this week.

Keglers carrying such averages who are interested may attend one of the league sessions at 6:30 p.m. on Fridays at Tower Bowl or contact Hayman, ext. 273, Plant 1.

Bowling Tournament Starts Next Month

Scheduled for Feb. 26 and 27 is the Convair Pomona CRA men's bowling tournament. The mixed tournament will be held March 5 and 6.

Both tournaments will be at the Pomona Bowling Academy, 275 North Main. Entry blanks are now available at employee service, room K-210, Building 2, ext. 6278, or from Marty Pilarcik, room B-14, Bldg. 4. All Convair men and women and members of their immediate families are eligible.

Overhulser Leader Among SD Archers

C. E. Overhulser (Dept. 6) has taken over the lead in the Convair SD Archery Club's regular monthly shoots which are held the second Sunday of each month at 9:30 a.m. at Gold Gulch, Balboa Park.

Regular Archery Club meetings are held at 7 p.m. the third Thursday of each month at CRA Clubhouse. The club's workshop is open from 7 until 9 on the second Tuesday, and the second, third and fourth Thursday nights of each month.

Pickup Teams In Keg Duels

In addition to rolling in regular league action, several Convair SD bowlers are forming make-up teams for competition outside their own loops. Action to date has been fast and furious.

Dept. 8 formed a team and downed five keglers from Dept. 55 with a scratch team total of 2,666 pins against 2,550 pins. Dept. 8 team members and their series scores included: Glen Bates, 438; Larry Chambers, 489; Gene Laird, 583; Jim Hayman, 596; and Forrest Erwin, 560. Dept. 55: Cliff Clark, 471; Bill Moyer, 483; Johnny Glenn, 516; Jim Stevenson, 526; and Bill Nader, 554.

The Convair "Hot Dogs" bowed to the Convair "Stars and Stripes" five by a score of 2,537 to 2,564. "Hot Dog" keglers and their scratch series included: Dan Molnar, 607; Bob Mohr, 401; Bill Lee, 442; Bill Carson, 484; and Chuck Wright, 603. "Stars and Stripes" averages were: Milt McCaskey, 485; Charles Elias, 553; Newman Bergen, 504; Lou Sage, 489; and Chuck Giamanco, 533.

Dept. 8 is interested in challenges from make-up teams. Call Hayman at ext. 273, Plant 1, to make arrangements. Molnar and his "Hot Dogs" will also accept challenges for match games. He may be contacted at ext. 242, Plant 2.

SD Shooters to Host Ryan's Gun Club

Convair SD Gun Club will play host to the Ryan Gun Club in a special .22 rifle event at the club's regular shoot Feb. 6 at Valley Gun Club, Gillespie Field.

The Ryan Club has indicated it will field a team of 15 marksmen for this event, according to Gene Horstman, CRA commissioner.

In trap and skeet events special attention will be given beginners and ladies. Experienced shooters will take part in a "doubles" trap event with special awards in all divisions.

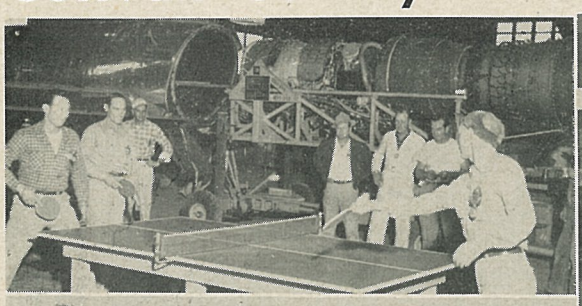
Election Scheduled For SD Riding Club

Two important items are on the agenda for the Feb. 12 meeting of the Convair SD Riding Club at Palomar Stables beginning at 7:30 p.m., Commissioner Marc Beresford said this week.

"We will hold our annual election of officers and map plans for the club for the coming year," Beresford said.

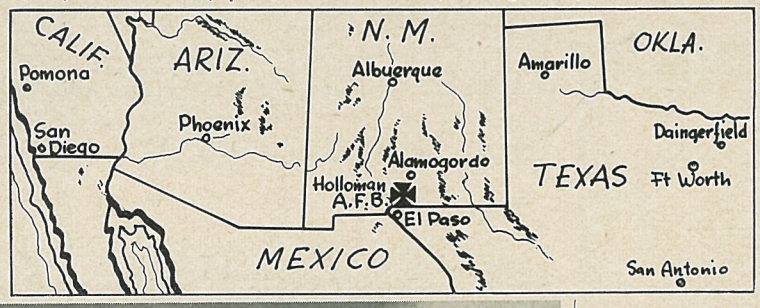
In addition, planning will start for the club's seventh annual Spring Horse Show.

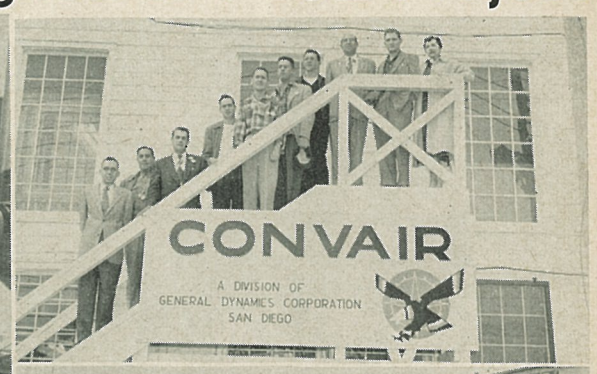
Convair Colony Develops in New Mexico, Assigned to F-102 Project

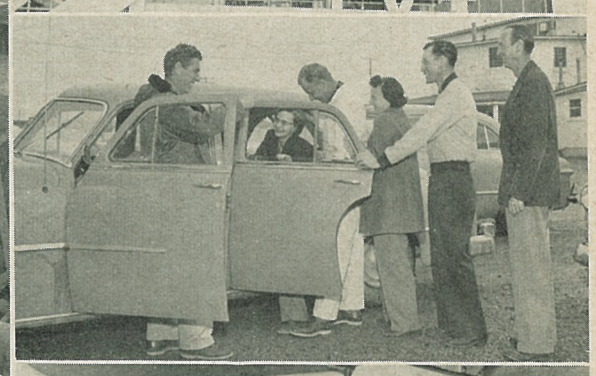


Top photo: rest break ping pong in F-102 hangar. Center: K. A. Swanson and Harry Egbert operate mobile car radio which keeps contact with F-102 in flight. Bottom: left, Pilot A. B. Treffer in cockpit. Straw hat has become traditional gag. He wears it after each flight. Right: C. D. Wirt, administrator, and Leta Tynes make contact with San Diego by teletype.

IN THE HANGAR—Heart of F-102 operation at Holloman is this hangar. Left to right are: G. W. Hofeller of engineering; A. T. Landry of shop-maintenance; A. B. Treffer, pilot; G. W. O'Hare, manager, key men there.







Top photo: engineering group poses at Holloman. From top: Louise Lockwood, Harry Egbert, G. W. Hofeller, Louis Garrett, John Lawson, Harley Grogan, Thomas Brown, Charles O'Neal, Bennie Brown, Charles Geiberger. Center picture: homeward bound are A. P. Ellison, Lowell Hoffman, Nell Vanderweide, Annie Mae Benjamin, Jim Nicholson, Ed Brandeger. Lower photo: FW "colony" at Holloman.

Jr. Achievement Week Will Open

Aided by $1,500 contributed by Convair, National Junior Achievement Week opens in San Diego Sunday (Jan. 30).

Among those groups scheduled to take part are members of the Junior Jotter Co. (so named for its product, a novel note pad). This is the Junior Achievement firm sponsored by the Convair SD Management Club.

Local Junior Achievement firms will display their wares at a "Trade Fair" scheduled for Jan. 30 - Feb. 5 at the Junior Achievement Center in downtown San Diego.

Sponsored by local business organizations and clubs, JA is made up of high school students who form their own companies, elect officers, sell stock for capital, manufacture a product and then market it. This is done during an eight-month period in the regular school year. Students receive pay for their work and redeem their stock, often with dividends, at the close of the year.

Bill Gish is chairman of the Convair SD Management Club advisory committee aiding the group. Committee members are Don Kennedy and Don Frisby.

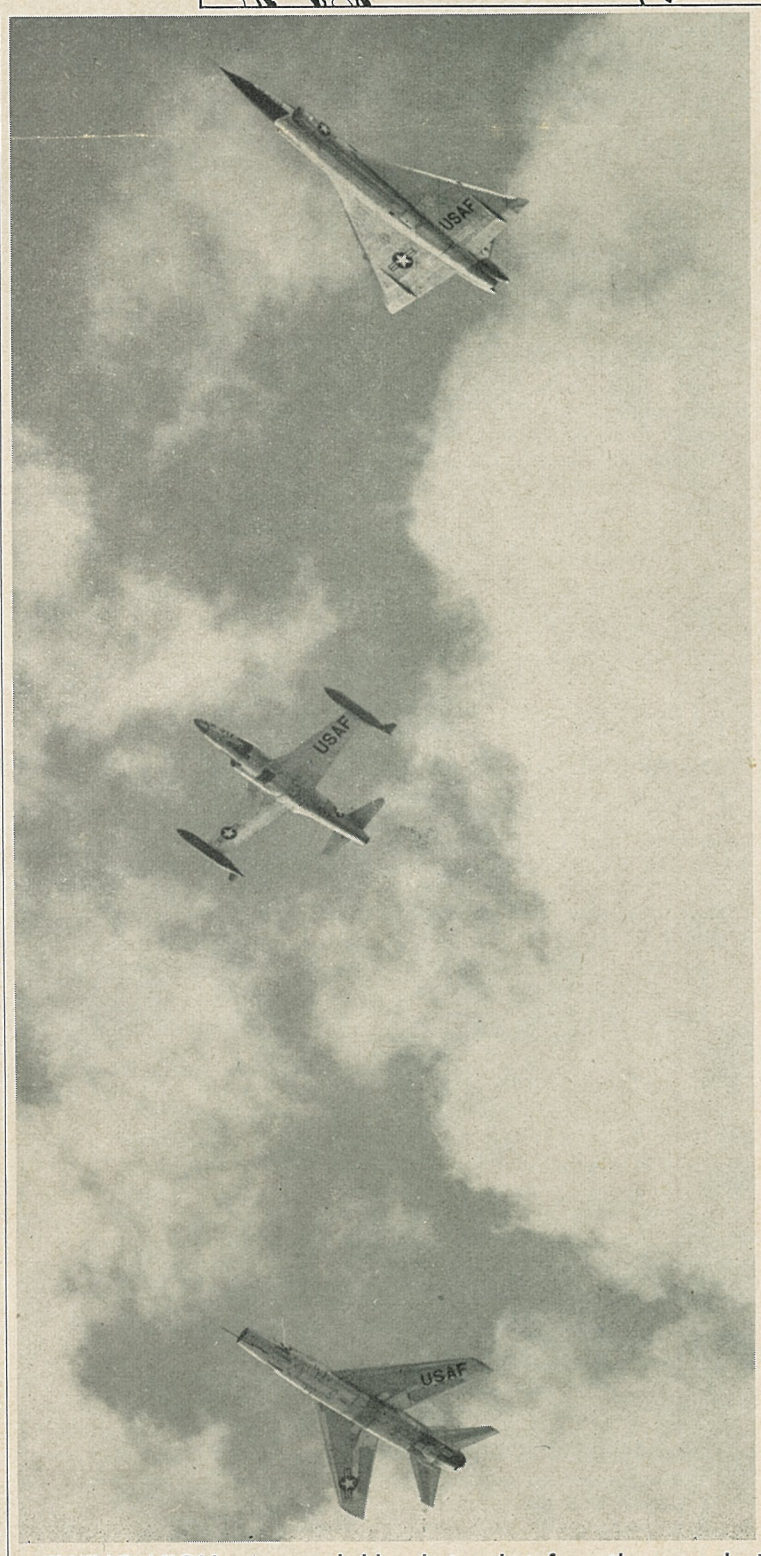
Half Hour TV Film On XFY-1 Scheduled For Showing in Feb.

"Take Off Zero," the story of the Convair-built Navy XFY-1 vertical takeoff fighter and the man who flies it, will be featured coast-to-coast on television's "Cavalcade of America" during February.

J. F. (Skeets) Coleman, Convair test pilot; Frank Fink, chief engineer at Convair SD; and E. D. Shannon, chief of experimental flight, will be seen in the 30-minute telecast.

First showing of the film in Southern California will be Feb. 1 at 7 p.m. over Channel 7. It will be shown on channel 8 at 8 p.m., Feb. 4.

Fort Worth employees may see the film at 9 p.m., Feb. 4, over channel 5.



FLYING HIGH—A remarkable photo, shot from the ground at Edwards Air Force Base by SD Cameraman Ernie Flisrand, catches in one film the three wing types of fighter craft. At top is Convair's delta wing F-102. Below are the straight wing T-33 and the swept wing F-100. On this particular occasion, T-33 carried cameramen and F-100 was flying "chase."

F-102 Armament Tested In Flights Over Country Once Ruled by Geronimo

A land that once knew Geronimo and Billy the Kid and—more recently—rocked to the explosion of the first atomic bomb, is now getting to know the Convair F-102.

This is the great mountain-guarded basin in southern New Mexico where a small band of Convair people is assigned to Holloman Air Development Center near Alamogordo to assist in testing the armament of the supersonic interceptor. Adjacent to the center is the White Sands Proving Grounds and involved in the test territory are literally thousands of square miles of former Apache country.

(The Convair unit at Holloman is part of the F-102 flight test project which also has activities at Edwards Air Force Base.)

"We now have around 70 Convair people on the F-102 project at Holloman," George O'Hare, assistant F-102 flight test manager, said. "We expect to add more as our work steps up."

Actually, there are close to 100 Convair people at Holloman, counting a small "colony" from Fort Worth which is working on a classified B-36 project. These are development field operations and electronics people under A. D. McCord of Convair FW development department. Two other projects are expected to develop soon which will include more Convair FW people. McCord and his band have been at Holloman since July, 1954.

Holloman is about 10 miles from Alamogordo, a community of close to 10,000 where most of the Convair people live. It is a city of invigorating climate (altitude 4,350 feet), good schools and traditions dating back to frontier days. It is on the slopes of the Sacramento Mountains.

A few from Convair have elected to stay at Cloudcroft, a summer-winter resort at 9,000 feet, about 20 miles from downtown Alamogordo.

"Housing couldn't be called plentiful," C. D. Wirt, administrative supervisor, reported. "However, we make every effort to help new families locate suitable accommodations and keep close track of new rentals as they develop."

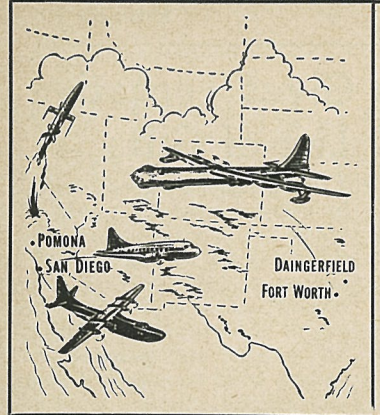
El Paso, 87 miles away, is the nearest metropolitan center. From there Juarez is only a brief drive.

Convair sportsmen reported abundant recreation in the area, good snow for skiing during the winter, good hunting and fishing and a wealth of scenic drives.

F-102 personnel have been at Holloman since June, 1954. They occupy office quarters on the base as well as a comfortable hangar where the F-102 is serviced. When Convair arrived in force last summer it used the world's largest "moving van." The XC-99 brought in 93,000 pounds of equipment, airlifted from San Diego!

Key personnel in the F-102 project at Holloman in addition to O'Hare include A. B. Treffer, pilot; G. W. Hofeller, engineering; J. A. Holbert, inspection; Wirt, in charge of administration; A. T. Landry, E. H. Vossen, E. O. Babb, O. L. Todd, shop and maintenance; P. L. Stephenson, material; and J. N. Mattson, industrial relations.

"All right, who pulled the emergency?"



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SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

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San Diego EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.

Mission Valley Club Site for Fashion Show

A limited number of tickets to the first CRA Fashion Show went on sale this week at employee service at both San Diego plants.

The show will be held at 8 p.m., Tuesday, March 1, at Mission Valley Country Club.

There will be refreshments, door prizes (merchandise), and an hour long show of the latest spring fashions, Glenys Sears of Dept. 5, general chairman, said.

Although CRA is assisting with the expenses, a charge of 75 cents is necessary to defray the balance of the cost.

"We have every reason to believe that this will be an outstanding show," Mrs. Sears said. "The setting in the new Mission Valley clubhouse will be most attractive and the new spring dresses, hats and coiffures will be the best the San Diego area can offer. Refreshments will include

(Continued on Page 2)

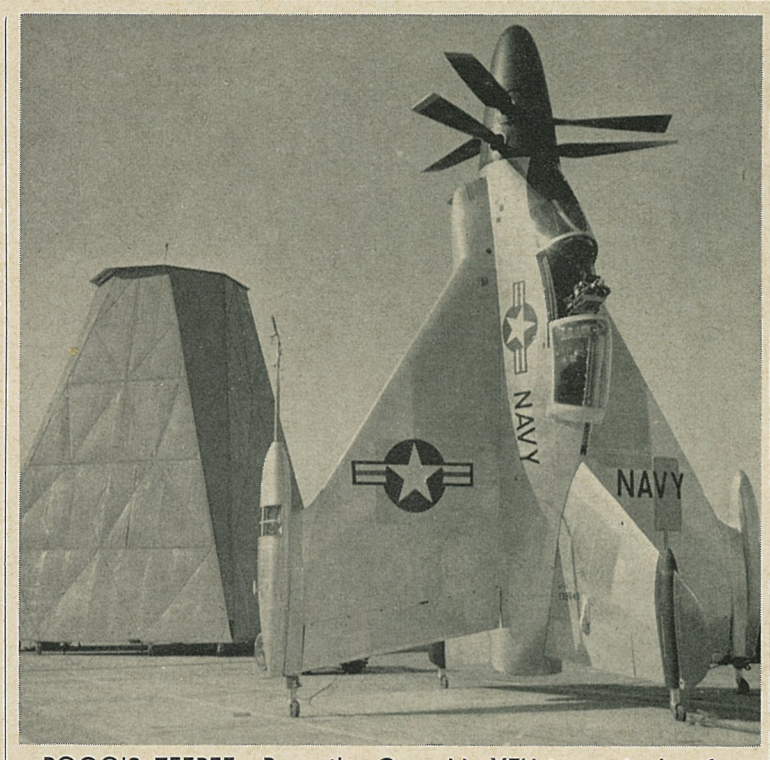
McNarney Will Speak To Management Club At Pomona on Feb. 18

Gen. Joseph T. McNarney, Convair president, will be the speaker at the Feb. 18 meeting of the Convair Pomona Management Club, the Board of Control has announced.

General McNarney will also present the first annual "President's Award" to the person who contributed the most outstanding achievement to Pomona's Cost Improvement Program during 1954. The recipient of this award, as yet unannounced, will receive a suitably inscribed scroll, a valuable gift of his own choosing, and will have his name engraved on a perpetual plaque.

Ray Stanton of labor relations, former vaudeville star (story on page 5), will provide the entertainment.

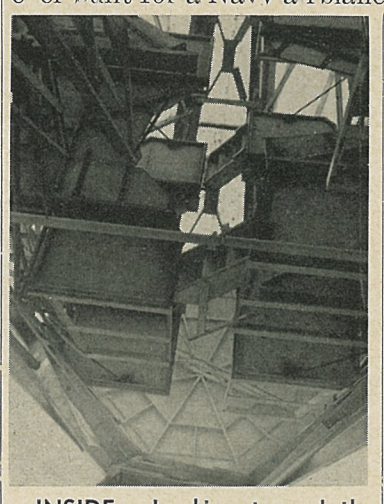
The meeting, sponsored by the industrial relations and security department, will be held at Rainbow Gardens, 150 E. Monterey, Pomona. Social hour begins at 6 p.m., dinner at 7. For ticket information phone M. F. Taylor, ext. 6279.



POGO'S TEEPEE—Recently, Convair's XFY-1 acquired a form-fitting hangar to protect it from rain. So, when the winter wind doth blow and poor robin is stuck out there with nothing to do but put a head under a wing, the Pogo can head for the barn and comfort. Which is just one of the advantages a Convair airplane has over a robin.

Clamshell 'Wigwam' Shelters SD's VTO Fighter in Between Flights

Heavy rains in the San Diego area during the past few weeks have failed to slow operations on the XFY-1 (VTO fighter), thanks to probably the smallest hangar ever built for a Navy airplane.



INSIDE—Looking toward the roof, this is inside of Pogo's teepee. Various levels are placed so crews can work on airplane while inside.

This unusual shelter, now in use at Brown Naval Auxiliary Air Station, looks very much like an oversized Indian "teepee" with the exception of a flat area near its peak. It's even painted a bright yellow!

Convair San Diego's experimental factory designed and built the hangar to enclose the XFY-1 in its normal position—tail down. Bill Thomas did the design work with assistance from A. B. McFarland, experimental factory manager, and Bob Franklin, general foreman. Experimental crews did the actual construction work.

The hanger is hinged so that two sides roll back on wheels making the structure look much like a giant clam. The VTO is then towed inside and the sides clamped shut providing a snug enclosure for airplane and workers, protected from the elements.

Inside are three decks connected by stairways for easy access to any part of the airplane. Interior lighting makes it possible to work at night.

Covered with a layer of Fiberglas cloth, the hangar is both lightweight and sturdy. It can be demounted and shipped easily. Fireproof paint covers the entire structure.

"No Indian chief ever had a better wigwam," quipped Franklin.

Convair Men Appointed To NACA Committees

Appointment of 13 Convair men to technical committees and subcommittees of the National Advisory Committee for Aeronautics was announced recently.

The appointees serve without compensation and election is based upon technical ability, experience and leadership in special fields. Their task is to review research in progress at NACA laboratories and in other organizations and to recommend new research projects.

New appointments include J. A. Dillworth III, FW project structures engineer, to the subcommittee on aircraft loads; Ralph H. Shick, SD chief of aerodynamics, to the subcommittee on high speed aerodynamics; Kenneth E. Ward, SD design specialist, to the subcommittee on propellers for aircraft.

Reappointments include: C. S. Brandt, SD design specialist, to aircraft fuel subcommittee; Michael Dublin, SD chief of dynamics, to vibration and flutter subcommittee; Dr. H. F. Dunholter, SD chief of development engineering, to internal flow subcommittee; William W. Fox, SD senior project engineer, to engine performance and operation subcommittee; G. Garner Green, SD

(Continued on Page 2)

Life Insurance Sign-up Nears 95% For SD

Unofficial but partially complete returns indicated this week that nearly 95 per cent of eligibles at Convair San Diego have signed up for maximum life insurance coverage.

About the same percentage of those eligibles who have dependents have signed up for dependent insurance.

The sign-up was in preparation for the new life and group insurance program which goes into effect Feb. 21.

Under the new system, Convair will pay the costs of group insurance and $5,000 life insurance for all Convair SD supervision, all employees not represented by bargaining units and all those represented by the International Association of Machinists. The current sign-up was to offer eligibles the opportunity of additional life insurance and coverage for dependents.

Additional life insurance currently available may be taken out without the necessity for physical examination, J. K. Field, chief of employee service, explained. The same privilege applies in the case of group insurance to cover dependents. No physical examinations are required.

"However, this will obtain only until Feb. 21," Field said. "After that date, health examinations will be required.

"We have tried to contact every eligible individual at San Diego. However, if anyone has been missed, he would be wise to act immediately, contacting employee service."

For those who have been absent, on vacation, or otherwise unavailable during the sign-up period, a few more days of grace remain. However, Field said that they must have signed up this week or it will be impossible to have the additional insurance effective on Feb. 21.

The heavy sign-up for dependent insurance coverage represents a healthy increase in this field.

Annual Plant Show To Be Sunday in Park

Amateur gardeners at Convair San Diego this week were readying their potted plants for the CRA Garden Club's annual Potted Plant Show, Sunday, Feb. 13.

The show will be held in the San Diego Floral Association Building in Balboa Park. All entries must be in place by 11 a.m. Doors will be open to the public from 1 to 5 p.m.

Pomona Con-Trib Ponders $14,000 Club Donations

Members of the Convair Pomona Con-Trib-Club committee gave tentative approval to pledges totaling over $14,000 to seven charitable organizations, payable in 1955, at the committee's regular bi-weekly meeting last Thursday.

The pledges, which will be made on behalf of Con-Trib-Club members residing in the communities in which the organizations are located, will be given a second reading and come up for final approval at the committee's Feb. 16 meeting. The committee also gave final approval to a pledge of $250 to the City of Hope, Duarte.

Organizations and the amounts they will receive if their pledges receive final approval as is, are:

Ontario Community Chest, $2,820; Pomona United Fund, $9,315; San Bernardino County Crippled Children's Society, $340; Orange County Crippled Children's Society, $20.

(Continued on Page 2)

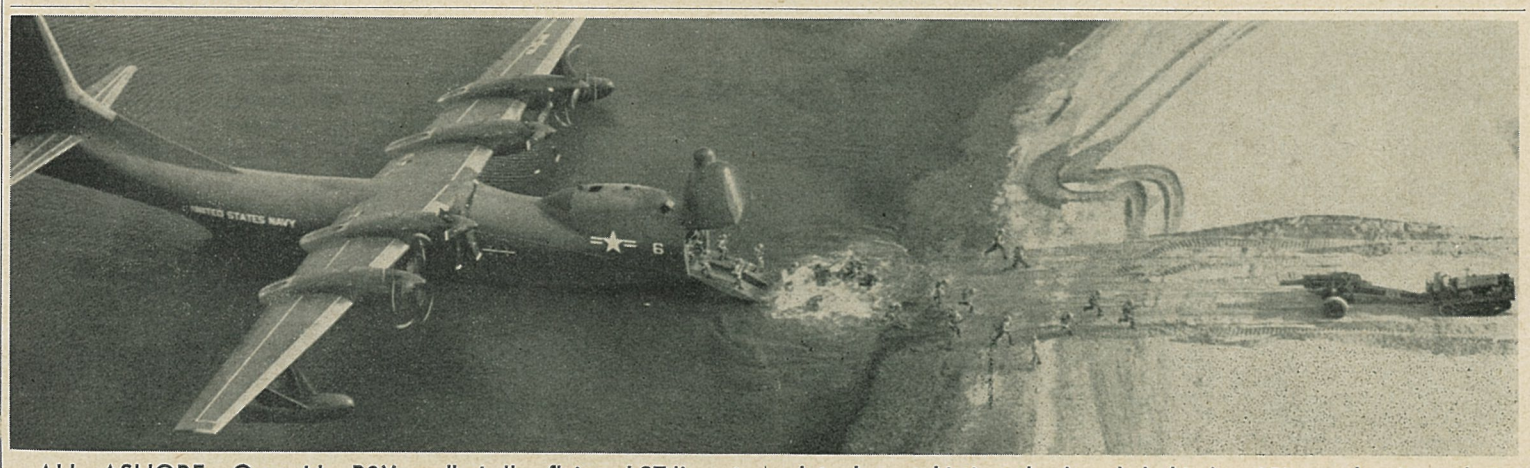
Entry Lists for Scholars Closing

Less than a week remains for Convair SD sons and daughters to get their applications in for the 1955 Convair SD Management Club scholastic awards. Deadline for entries is Feb. 15.

The awards are the largest in the history of the program with $1,000 going to the first-place winner, $500 for second and $250 for third. The first place winner will also be eligible to compete for the $500 National Association of Foremen award, Zone A.

Convair sons and daughters graduating from high school at mid-term or in the spring of 1955 will be eligible for the awards which will go toward continuing their education.

Application blanks are available through high school principals and Convair department clerks.

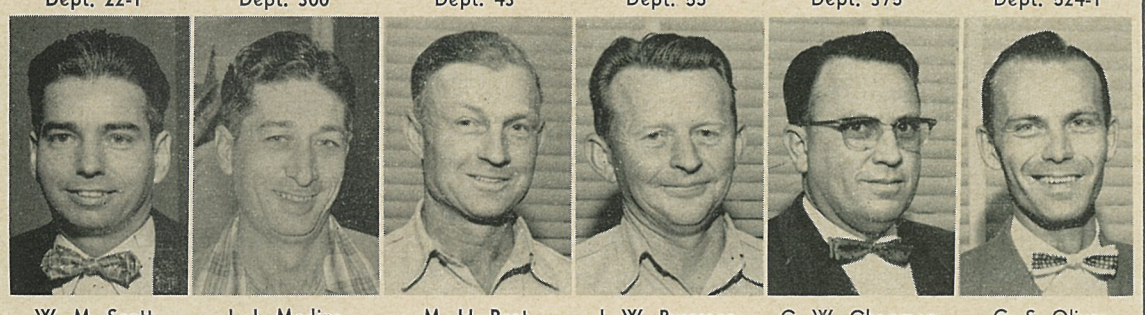


ALL ASHORE—Convair's R3Y, called "a flying LST," got national attention recently with release of this photo of Marine detachment hitting the beach behind a 155-mm howitzer during practice landing near San Diego.

★ ★ Log Book Entries ★ ★

Another 'Class' of Convair Men Gets 15-Year Pins at SD

A. P. Sutton, Dept. 22-1 | A. L. Scheibel, Dept. 300 | J. C. Grant, Dept. 43 | J. P. Lessing, Dept. 55 | Z. A. Ridgeway, Dept. 375 | J. R. Horner, Dept. 524-1



W. M. Scott, Dept. 28-1 | J. J. Medina, Dept. 210 | M. H. Peet, Dept. 31 | J. W. Burgreen, Dept. 31 | C. W. Chapman, Dept. 6 | G. S. Oliver, Dept. 6

W. A. Pickens, Dept. 6 | H. F. Von Goodat, Dept. 6 | H. F. Dunholter, Dept. 6 | E. Fitzsimmons, Dept. 6 | W. L. Dittmann, Dept. 6 | J. B. Franklin, Dept. 6

Service Emblems

SAN DIEGO

Service emblems due during the period February 1 through February 15:

Thirty-year: Dept. 102, B. F. Kiegle.

Twenty five-year: Dept. 31, A. J. Bergman.

Fifteen-year: Dept. 1-61, W. A. Clegern. Dept. 6, L. F. Ballou Jr., L. A. Bayliss, H. W. Dvorak, J. G. Hawkins, J. T. Jackson, Glenn Karel, A. E. Lyerla. Dept. 9, Lewis Grant, F. N. Minter. Dept. 10, F. J. Johnson.

Dept. 28, G. A. Knauss. Dept. 31, H. L. Brady, W. G. Fisher, H. R. Lewis, F. H. Miller. Dept. 35, C. M. Shackelford. Dept. 37, J. T. Mitchell. Dept. 70, W. K. Beyer, J. R. Ernst. Dept. 115, Stanley Penziul. Dept. 300, M. E. Bryans. Dept. 401, O. Q. Faucett, R. F. Greggs. Dept. 403, J. G. Elston. Dept. 406, Nelson Hodina.

Ten-year: Dept. 1-25, A. H. Wiggins. Dept. 3, J. E. Thomson. Dept. 6, E. E. Asbury, R. E. Craig Jr., W. I. Gregory, F. N. Thudium. Dept. 25, P. J. Fox. Dept. 31, J. B. Smith, C. A. Wilson.

Dept. 43, C. W. Justice. Dept. 57, Raymond Welsh. Dept. 70, W. L. Fissell. Dept. 102, P. W. Kincheloe. Dept. 252, Mildred B. Powell. Dept. 355, L. S. Weeks. Dept. 528, M. L. Brown.

Five-year: Dept. 1-34, J. A. Deming. Dept. 3, W. C. Brown. Dept. 4, G. B. Emmons. Dept. 6, Lois C. Fisher, C. W. Grow, R. F. Kalal, J. B. Landers, J. B. Lawhead, A. D. MacLellan, L. M. Pinks, F. A. Stephenson, J. E. Whiston. Dept. 22, Agnes J. Winther. Dept. 31, Helen W. George, A. C. Miller, C. H. Strong.

Dept. 43, M. J. Mascari. Dept. 44, Tom Garcia. Dept. 46, H. P. Berliner. Dept. 52, R. F. Robinson. Dept. 55, O. H. Rosenboom. Dept. 70, Fern G. Mangus. Dept. 102, Oleta H. Raney, Bertie H. Wilson.

Dept. 202, Edna S. Carter, Ella E. Jurgensen. Dept. 212, Elsie S. Purcell. Dept. 250, Ada P. Bullock, Adeline R. Carr. Dept. 303, B. M. Kellar. Dept. 340, F. A. Rado. Dept. 375, J. H. McCollister.

Dept. 401, M. P. Scherl Jr. Dept. 403, Angelo Biondo, R. I. Graham, H. R. Johnson. Dept. 522, Mary S. McDowell, Georgiana C. Oliver, Frances N. Rocco, Irene A. Trovaten. Dept. 524, G. M. Huse.

POMONA

Fifteen-year: Dept. 6, C. L. McCabe, H. A. Swift.

Five-year: Dept. 6, H. D. McCoy. Dept. 22-1, Helen G. Smedley.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective Jan. 24:

Dept. 2, San Diego Manager: To asst. to program director—MX 1593, W. H. Patterson.

Dept. 6, Engineering: To chief of thermodynamics, C. E. Chapman. To group engineer, J. H. Struthers. To asst. project engineer, D. B. Suggs.

Dept. 300, Field Operations: To foreman, R. E. Gumtz. To asst, foreman, V. A. Brown.

Dept. 303-4, Model 8 Flight Test Operations: To foreman, C. O. Hill.

Lost & Found

SAN DIEGO

LOST—Ladies small diamond ring, yellow gold mounting. Please contact Frances Sneed, Dept. 102. ext. 1371, Plant 1.

Awards

SAN DIEGO

Employee Suggestion awards totaled $802 for the weeks ending Jan. 13 and Jan. 20:

Dept. 6, Engineering: H. Q. Driscoll, C. L. Hibert, E. F. Kosen, R. N. Laveen.

Dept. 9, Controller's: D. W. Whaley.

Dept. 10, Industrial Accounting: Charles Taliaferro.

Dept. 14, Shipping & Material Stores: J. Boyd.

Dept. 22, Manufacturing Control: O. J. Shaffer.

Dept. 25, Plant Engineering: K. R. Conney, H. J. DeLese, J. C. Hurley.

Dept. 30, Model 8 Final Assembly: R. Araiza (two awards), T. E. Brown, N. B. Coffinbarger.

Dept. 35, T-29D Final: R. Ramirez, C. W. Saunders Jr.

Dept. 52, 340 Wing: R. W. Gapen, H. A. Hollingsworth, W. A. Sanders.

Dept. 55, 340 Fuselage & Control Surfaces: H. Fletcher.

Dept. 70, Model 8 Fuselage: J. L. Arrollado (two awards), W. A. Douglas, H. R. Leatherman.

Dept. 101, Sheet Metal: C. Renkke.

Dept. 102, Sub-Assembly & Processing: M. L. Kerber.

Dept. 203, Welding: E. I. Thies.

Dept. 215, Machine Shop: A. Becker.

Dept. 235, T-29 Primary: J. F. Pehota.

Dept. 250, Electric Bench: A. C. Abromowitz (two awards).

Dept. 258, Proofing Mock-Up: R. B. Randolph.

Dept. 340, T-29 Final: R. S. Flores.

Dept. 350, Proofing Mock-Up: W. R. Moore.

Dept. 401, Jigs & Fixtures: E. T. Belland.

Dept. 403, Tool & Die Shop: G. J. Winchell.

Dept. 406, Plaster Pattern Shop: D. M. Brown, B. K. Miles.

Dept. 522, Manufacturing Control: G. Meldrum.

Dept. 524, Tooling: O. P. Liebreich, L. M. Nichols, A. S. Page.

Dept. 528, Inspection: H. R. Goss, F. Lay, M. H. Quinsler.

Dept. 603, Tool Manufacturing: V. B. Jones, A. A. Morse.

POMONA

Employee suggestion awards at Convair Pomona totaled $222 for the period ending Jan. 31:

Dept. 4: J. A. Daniels.
Dept. 6: A. M. Smolen, E. A. Young.
Dept. 13: J. Dietrich, L. C. Schneider.
Dept. 22: D. W. Griffith.
Dept. 25: D. D. Cates.
Dept. 27: D. E. Rainsberry.
Dept. 51: D. L. Paulson, G. C. Pizzuti.
Dept. 52: R. O. Walker.
Dept. 63: Jane Halliday.
Dept. 72: Mary Torok.
Dept. 73: C. H. Birch.

Cost improvements for the same period were:

Dept. 25: G. L. Benefield, R. W. Pohl, M. L. Smith.
Dept. 63: H. E. Knox.

Personals

SAN DIEGO

To Convair friends, particularly those in Depts. 6, 27, 28, 115, 24, 22 and 102, I would like to extend my grateful appreciation for the kindness and generosity displayed at the death of my husband, Tom Femal. Your kind words and expressions of sympathy were a great consolation to me and I shall never forget it.

Mrs. Tom Femal

Births

SAN DIEGO

COLEMAN—Son, Martin Powell, 7 lbs. 6 oz., born Jan. 24 to Mr. and Mrs. J. F. (Skeets) Coleman, Dept. 6.

KOLSKY—Son, Steven Gerald, 7 lbs. 12 oz., born Jan. 30 to Mr. and Mrs. G. C. Kolsky, Dept. 6.

POMONA

GUTHREY—Daughter, Rhonda Cordelia, 5 lbs. 2 oz., born Jan. 14 to Mr. and Mrs. Delparde Guthrey, Dept. 8.

Deaths

SAN DIEGO

LYMAN—H. C., formerly Dept. 22. Died Jan. 20. Survived by wife.

Mission Valley Site For SD Fashion Show

(Continued from Page 1)

dessert and coffee."

A number of Convair girls will be among those modeling. These include Mary Andrews and Elizabeth Gerding of Dept. 1-71, Jeanette Smith of Dept. 11-2, Angela Fijal of Dept. 1-15, and Catherine Chase of Dept. 2.

In addition to Mrs. Sears, members of the arrangement committee are: Rhea Berardini, Mary Helen Crosthwaite and Floy Minter, all wives of CRA commissioners.

The show will be open to all Convair women and their friends and to Convair wives and friends.

Fashions will be from Lady Gaye Shoppe of La Mesa, hats by La Femme Shop of La Mesa, and coiffures by John & Gregg's Salon of La Mesa. Music will be by the Eleanor Hutton Trio and Molly Morse will be the commentator.

The Fashion Show will replace the regular March Ladies Night in Balboa Park, but Miss Robley Baskerville will resume her lecture series in April. Between 250 and 275 attended the Feb. 1 Ladies Night at the House of Hospitality.

Illinois Authority To Speak for IAS

Ralph VanDeventer, vice president of the Alloy Engineering and Casting Co. of Champaign, Ill., will be the principal speaker at the Feb. 10 meeting of the San Diego Section, Institute of the Aeronautical Sciences. The meeting starts at 8 p.m. at the IAS Building, Harbor Dr.

Subject of the meeting is "Design Benefits from Application of Process Controls." There is no charge for the meeting, which is open to all Convair SD employees.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth - Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. **Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.**

Pomona Con-Trib Gives Tentative Approval to New List of Gifts

(Continued from Page 1)

Los Angeles County Crippled Children's Society, $940; Riverside County Crippled Children's Society, $15; Los Angeles County Heart Association, $981.53.

These figures were arrived at by using a special formula which takes into consideration, among other things, the number of employees residing in each community, the amount of the total budget of the organization applying for a gift, the percentage the budget is of the over-all community charity, etc.

The Con-Trib-Club committee is composed of representatives of the International Association of Machinists, the International Brotherhood of Electrical Workers, the Engineers and Architects Association, the Pomona Management Club and the company.

★ ★ ★

Bargain Movie Nights Continue

Although rain gave a slow start to CRA's Tuesday night bargain-rate movie project at San Diego, subsequent attendance indicates a successful enterprise.

With CRA underwriting, the Rio Theater each Tuesday night gives special rates to Convair theater goers (25 cents for adults, 10 cents for children). The rate applies for all Convair men and women by showing ID cards, and covers guests as well. Thus, for 70 cents a man, wife and two children can have a full evening's entertainment. The Rio is located at 37th and University.

Next movie night will be Tuesday, Feb. 15, when the films "Roman Holiday," with Gregory Peck and Audrey Hepburn, and "Miami Story" with Barry Sullivan will be shown.

CRA President Gil Crosthwaite said that attendance for the first three shows totaled nearly 1,000, a big percentage of them Convair. This was in spite of a poor showing on the first night, due to rain.

Earl D. Johnson New Senior Vice President In General Dynamics

Earl D. Johnson, former Under Secretary of the Army, last week was named senior vice president-development and operations for General Dynamics Corporation.

John Jay Hopkins, General Dynamics president and board chairman, said Johnson would take over his new duties following resignation as president of the Air Transport Association of America.

Johnson, who served the Air Transport Command during World War II as a colonel, was named Assistant Secretary of the Army for Manpower and Reserve Forces in 1950. He became Under Secretary in 1952.

13 Convair Men Get NACA Appointments

(continued from page 1)

chief of structures, to aircraft structures subcommittee; Victor Hudson, SD design specialist, to icing problems subcommittee; D. R. Kirk, FW senior design group engineer, to committee on aircraft construction; H. C. Matteson, SD design specialist, to subcommittee on compressors and turbines; E. G. Stout, SD staff engineer, chairman, subcommittee on seaplanes; R. H. Widmer, FW assistant chief engineer—technical, to committee on aerodynamics.

NYU Honors Stout

E. G. Stout, Convair SD staff engineer and authority on water-based aircraft, was honored late last month by New York University's College of Engineering.

Stout was one of 100 alumni whose "significant achievements have brought distinction to themselves and to their alma mater."

SD Woman Honored

Mrs. Bessie Cooper of technical group, parts sales at San Diego, was selected recently as "four star citizen of the day" on the Seymour Francis radio broadcast over station KFSD.

Mrs. Cooper was recognized for her activity in club affairs generally (she is a past president of the San Diego Women's Club) and for her selection as convention chairman for the coming American Legion Auxiliary convention in San Diego.

Bever Appointed To Con-Trib Post

Appointment of William R. Bever (Dept. 406) as a member of the Convair SD Con-Trib-Club Committee, representing Lodge 1125, International Association of Machinists, was announced recently.

W. R. Bever

Bever succeeds Loren E. Reich, a "charter" member of the committee, who resigned because his recent transfer to the second shift made it difficult to continue Con-Trib activities. Reich received a letter signed by all committee members, commending him on his long and valued service.

At its Feb. 2 meeting the committee elected Bill Lynt (Dept. 6) vice chairman, a position formerly held by Reich. Mrs. Gladys Story (Dept. 101) assumed Lynt's duties as treasurer of the committee.

★ ★ ★

Does Con-Trib Do Any Good?

Many of those who seek help from the Emergency Aid part of Con-Trib-Club's organization at San Diego are denied help because they cannot qualify under Con-Trib rules. They have private means untapped, or cannot qualify for some other reason. On occasion this has brought forth some such statement as "Well, who DO you help? Do you help ANYBODY?"

For answer, those who have the difficult task of administering the fund have but to turn to a mounting file of letters. Here are two, recently received. Names, of course, are withheld.

To Mrs. Molly Dowell:

I am so grateful for your untiring efforts in my behalf and for all the others who helped. I pray God's blessing on each and every one.

If ever a person needed a lift, we did. Although we were not complaining, what a wonderful feeling just to know someone remembered and would lend a helping hand.

P.S. The druggist and Scripps bo[illegible] wrote me they received checks.

* * *

Dear Con-Trib-Club:

Words cannot express the thanks and appreciation we have in our hearts for the Con-Trib-Club and the wonderful help when my son was in the hospital. It was the nicest and most wonderful news I ever heard, the day you called and said the club was paying the nurses.

Both my son and I thank you . . .

★ ★ ★

Funds Voted for Two Con-Trib Donations

Disbursement of Con-Trib-Club funds to aid the Muscular Dystrophy Association and the United Jewish Fund were voted last month at Convair SD by the Con-Trib Committee.

The San Diego Branch, Muscular Dystrophy Assn., received $1,000, while $1,250 was contributed to the United Jewish Fund of San Diego on behalf of Convair employees.

New Engine Test Stand For Running Future Jets Erected at Fort Worth

A new $447,000 enclosed jet engine test stand was nearing completion at Convair Fort Worth this week.

It is designed to take the most powerful jet engines of today—and those that are now on the drawing boards for the aircraft of the future.

Testing is scheduled to start by mid-March in the giant tomb-like structure. Then testing of engine components will be conducted by engineering flight test crews for power plant section of engineering.

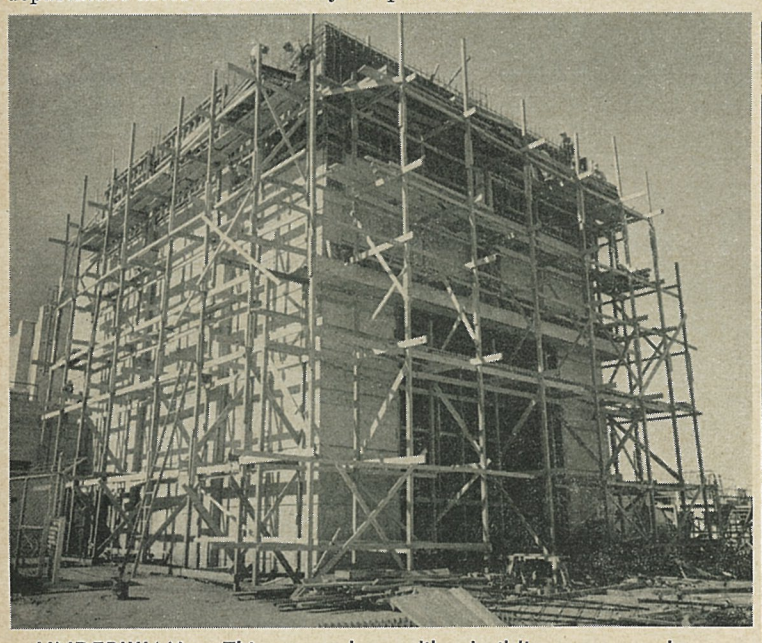
Until that time, plant engineering crews are working full time on construction. Located in the northwest end of the yard area, the huge structure is 158 feet long, 38 feet wide and 56 feet high.

Plans for the test stand were drawn up by plant engineering department after careful study of other similar structures in operation.

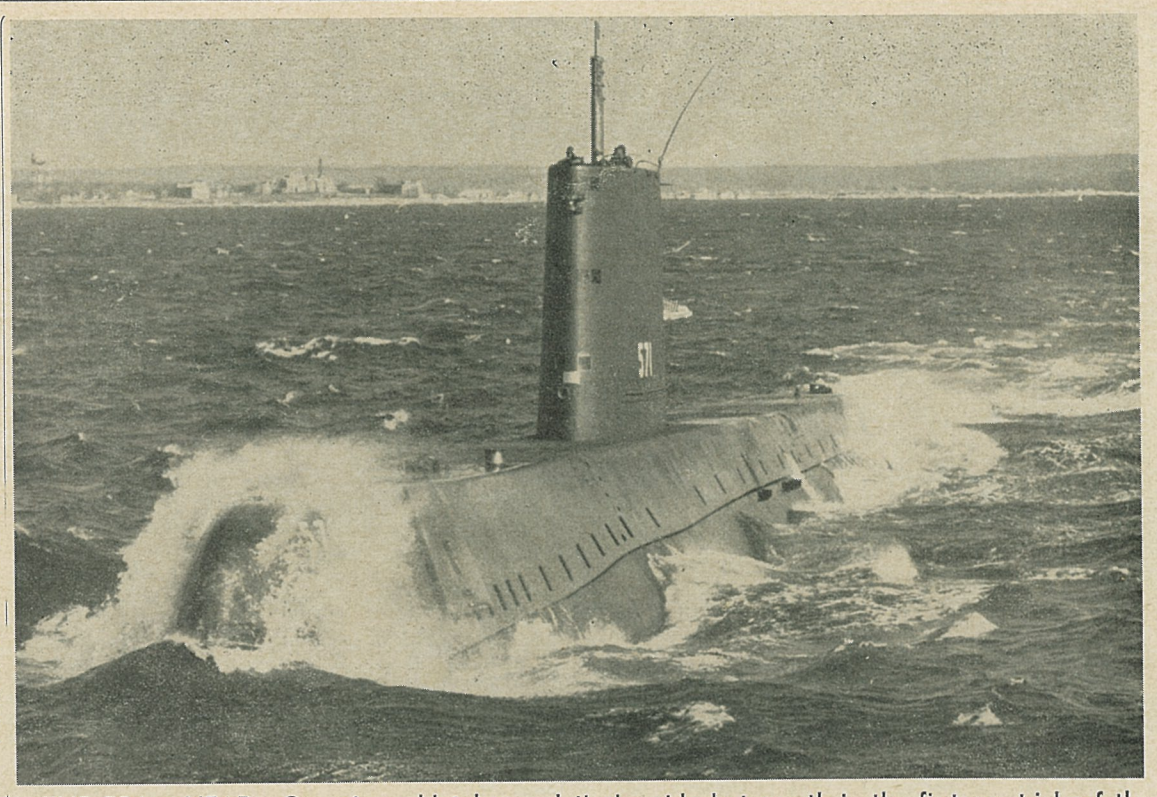
Approximately 300,000 pounds of steel is being used both as structural and reinforcing material. Concrete — 1,300 cubic yards of it—is also being used.

When finished, the stand will be capable of testing engines with a thrust of more than 20,000 pounds.

Construction began several months after the Air Force awarded Convair a contract for $4 million for testing and to speed production of Convair's new supersonic bomber.



UNDERWAY — This mausoleum-like building now under construction will be used to test jet engines at Convair Fort Worth. It's located near the gun butts at the north end of the reservation.



THE ERA AHEAD—Convair could take a relative's pride last month in the first sea trials of the atomic-powered submarine USS Nautilus, shown here nosing into choppy water of Long Island Sound. Nautilus was built by east coast cousin Electric Boat, also a division of General Dynamics Corporation. Date was Jan. 17 and historic moment was 11:01 a.m.

Samaritan Flies An Iron Lung to Patient in Arabia

Convair's Samaritans have been living up to the name.

The air evacuation transports which fly from Brooks Air Force Base near San Antonio, Tex., have piled up a long list of mercy flights since they went into service for Military Air Transport Service.

A new one, which involved a flight half way around the world, was revealed recently when a C-131A hospital ship was used to transport press members from Fort Worth to Kelly AFB for a press show on the new YC-131C turboprops.

Lt. Louise Marshall, a MATS flight nurse who was acting as hostess for the press trip, related that not long ago a Samaritan was called to the rescue of a polio patient at a faraway station in Arabia.

"There was no hospital in the area, so we went after him," the nurse stated simply.

Just like that, Brooks Field, Texas to Arabia, with an iron lung.

"On the way home we'd planned to fly from Arabia to the Azores, refuel there and then go on to the U.S.," she continued, "but the Azores were socked in and we headed for Scotland. We got there but apparently the field thought our patient had a contagious disease and wouldn't let us land.

"We finally came down in a little field in England, a trifle short on gasoline."

GIBSON ELECTED

J. Hoot Gibson of Convair Fort Worth was elected manager of the White Settlement Chamber of Commerce last week. Gibson is in Dept. 29, second shift.

Convair-Liner Project Decade Old This Year

This year will be Convair's tenth in the two-engine transport field.

It was just about a decade ago that Convair looked ahead and started planning the airplanes that became the Convair-Liner.

That was in 1945, well before VJ Day. Convair, naturally, was interested in something to take the place of wartime orders sure to be cancelled with the end of hostilities.

By the fall of 1945 Convair had orders for 100 airplanes and production started. American Airlines was the biggest customer.

The experimental prototype, called the "110," made its first flight July 8, 1946 at San Diego, though it was a far cry from the airplane that eventually came off the production lines and became the model 240. (The 110's gross

(Continued on Page 8)

CELEBRATION—When Capt. E. C. Shaw, electronics acceptance officer at San Diego, became Major Shaw, he had company in celebrating. Scene is a surprise party in office of Supt. Frank Kemper. Left to right: Kemper, Supt. Steve Barinka, M. L. Bjorstrom, the major, W. M. Basile, Ed Caldwell, Tom Eckles, L. C. LeMaster, H. L. Anderson. Major Shaw, who can look back on 621 combat hours, in World War II and Korea, has been at Convair SD three years and has been active on T-29 and C-131 programs.

EASTERN VISITORS—Inspecting a Convair transport at San Diego recently were Mrs. John Jay Hopkins, second from right, and Mrs. Otto Marx, third from right. Mrs. Hopkins is the wife of the president and board chairman of General Dynamics Corporation and Mrs. Marx is the wife of a General Dynamics director. Guides were B. F. Coggan, SD manager, at left with Mrs. Coggan, and A. W. Morgan, SD assistant manager-operations, far right.

Explorers to Join in Scout Week

Air Explorer Squadron 340, sponsored by the Convair SD Management Club, this week is joining with scouts across the nation in observing National Boy Scout Week.

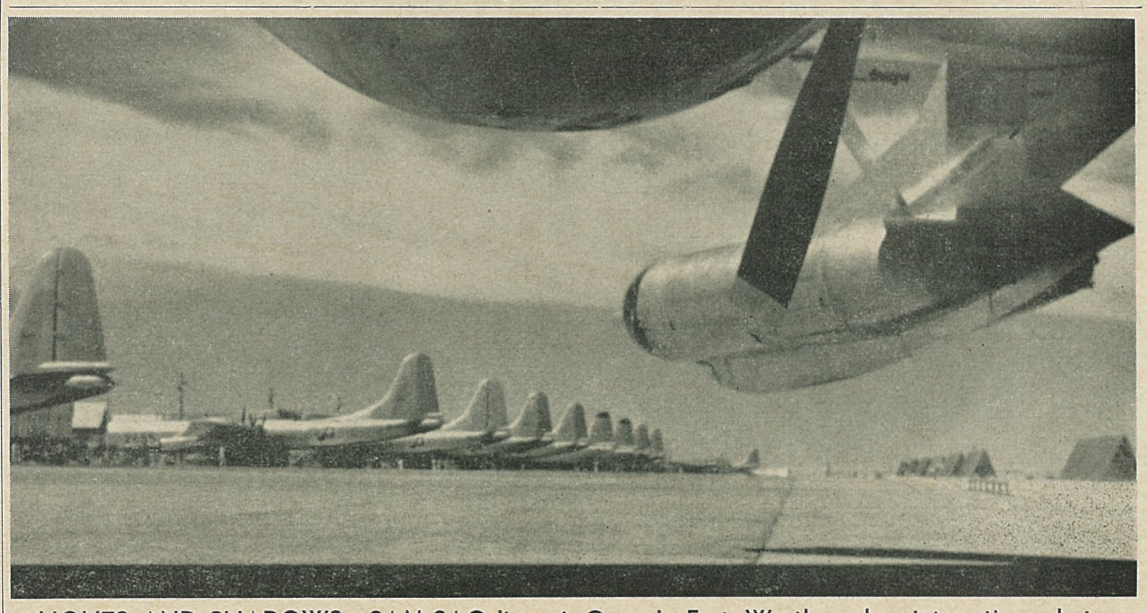
"Our new building on Harbor Drive is in the process of being completed at this time so we are not having a squadron observance," said Andy Drollinger (Dept. 6), explorer advisor. "But we are joining in with other activities in San Diego."

The Air Explorer program is open to any Convair SD son who meets the age requirements. The Squadron meets at 7:30 each Tuesday night at its headquarters just south of the Convair Ramp.

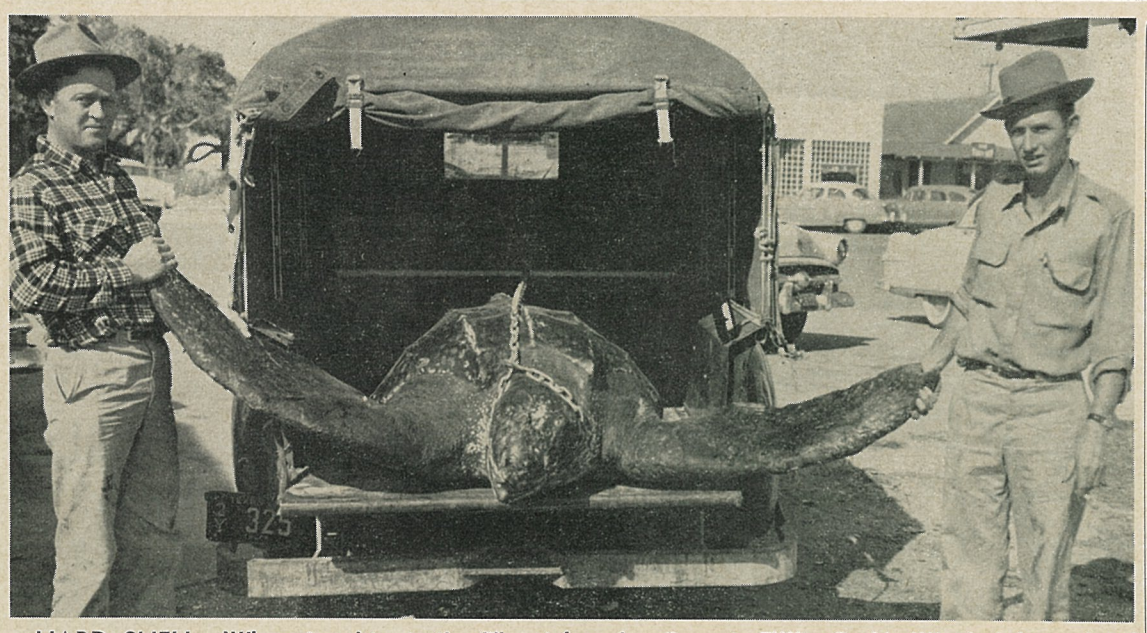
Information about the Squadron may be had by contacting Drollinger at ext. 1501, station 4, Plant 1, or Bob Kemper, ext. 569, Plant 2.

TEMPORARY DUTY

As part of Convair SD's executive development program, W. B. Harwell last month was assigned to the factory manager's office, Plant 2, and W. J. Martin is serving as acting manager of production flight in his place. Harry McKay is serving as acting chief pilot.



LIGHTS AND SHADOWS—SAM-SAC line at Convair Fort Worth makes interesting photo as B-36 tails seem to form endless column. Those are not tents at right, but deflectors for blast that whips across concrete during engine run-up.



HARD SHELL—Whopping big turtle fills pickup for Convair FW's C. M. Ward, left, and Bill McClaran. They captured it on fishing trip near Port Aransas. It weighed about 1,000 pounds.

The Long Haul

Turtle Caught on Hook and Line Proves a Full Day's Job to Land

A Convair fisherman recently brought home a 1,000-pound catch—a great sea turtle.

J. L. Frisbie of Dept. 31-2 at Fort Worth was on a combined fishing and duck hunting trip with his son-in-law, C. M. Ward (formerly of Dept. 24, husband of Thelma Ward, formerly of Dept. 45) and Billy McClaran of Lorenzo, Tex. They were fishing in the Port Aransas-Aransas Pass channel to the Gulf of Mexico when the turtle struck one of their lines.

"We were fishing from a motor boat and it was about 4 a.m. when we hooked him," Frisbie recalled. "Two hours later he was still on the line and we had a real battle."

Eventually they hauled the turtle close enough to bring him under fire of their shotguns.

"We used up a whole box of shells before he gave up."

Then the real battle began—getting the turtle ashore. They lashed him to the side of the motor boat and slowly towed him toward the causeway. It was late that night before he was safely stowed in the back of a pickup truck.

"We figure he'll make turtle soup for us for a long, long time," Frisbie added.

Evidently, this was the second time the turtle had been attacked by man, because embedded in the turtle's head Frisbie found an Indian arrow head! The wound had healed over and flesh covered the telltale stone that gave a clue to the turtle's great age.

Alert SD Man Helps Foil Store Holdup

An alert Convair SD employee last week contributed to the capture of a holdup man in San Diego.

Don Larsen of Dept. 522 was waiting in a store to purchase some smoked salmon when a man entered and forced the woman clerk into a rear room. Unseen, Larsen raced across the street and phoned police and returned to watch the store exits. He kept up the surveillance until a motorcycle officer arrived and surprised the suspect rifling the cash register.

Doling Will Succeed Mollering in Wash.

Two appointments affecting Convair field offices were announced recently by Gen. Joseph T. McNarney, Convair president.

J. V. Dickson, formerly of Convair SD, has assumed duties as Dayton representative, reporting to C. G. Wolcott, manager of the Dayton office.

Lloyd L. Doling, formerly of Convair Pomona, has assumed duties as Washington representative (Navy) replacing William C. Mollering who has returned to Convair Pomona. Doling reports to J. P. Shaw, Washington manager-Navy.

Does Convair have your correct home address?

Pomona Adopts 'Caravan' System For Sending Small Parts to Line

A new system of delivery of "standard stock"—the low cost, high usage items like nuts, bolts, pins, etc., used in production—to the assembly line at Convair Pomona has so many advantages that it would be hard to tell which is of the greatest value.

Among other things, the new plan simplifies record keeping and accounting and cuts down on other paper work. It reduces the number of times material is handled. It eliminates duplicate stocking, making lower inventories possible. And it centralizes the responsibility for keeping an adequate supply of standard stock on the line.

"Under the new system material stores delivers standard stock directly to the line from its stockroom." J. A. Pomeroy, staff assistant to P. V. Ogden, Pomona manager of material, said. "Deliveries are made with a special trailer, fitted with stock bins and towed by a Clarkat, which makes daily circuits of the production factory, leaving stock as needed at strategically located standard stock stations.

"The standard stock delivery truck is loaded from the main storeroom on a daily basis. Once a month, or when the stock in the storeroom bin reaches the reorder point, the total number withdrawn is entered on one prepunched tabulated requisition and forwarded to the appropriate offices for action and accounting purposes. In an average month, less than 1,000 of these tabulated requisitions will be handled.

"Under the old system, when a stock bin on the line became empty the foreman in that area called manufacturing control," Pomeroy continued. "If the required stock was not available there, a requisition was written by hand and forwarded to material stores. This procedure frequently led to several requisitions being forwarded to stores for the same item, and when all of the requisitions were eventually filled, far more material than actually required would be on hand.

"Over 5,000 handwritten requisitions were processed each month for standard stock, and each requisition required nine separate operations," he said. "All of this was done for material which represented less than 2.5 percent of the cost of our product.

"All departments concerned benefit from the new system," Pomeroy said. "Manufacturing control, freed of the duplicate responsibility of stocking and distributing these small items, can devote more time to controlling the flow of shop-made items and larger purchased components. Material stores can spot and avert potential shortages before they develop. Material control can now spend less time in record keeping and the handling of requisitions. And the jobs of tabulating and industrial accounting are also considerably lighter.

"Also, the production departments can expect fewer shortages of standard stock items on the line," he concluded.

"RFD"—Demonstrating new "delivery service" for parts at Pomona are Jack Hayes, R. M. Sydenstricker and D. F. Woodburn. They are removing stock from trailer and replenishing standard stock station.

Rodeo Rider Prescribes Broncs To 'Drive Out Cobwebs' (Ouch!)

Clinging to the "hurricane deck" of a bucking bronc may not seem like an ideal way to relax to some but to Bob Kropf of Convair SD it's both a hobby and a pleasure.

"There's nothing like a good rodeo and a tough ride to shake the cobwebs out of your thinking," he said. "Sure you take a few bumps and bruises but the excitement and competition is worth it."

Kropf (Dept. 60, SD) now follows his favorite pastime as a hobby only but there was a time he looked to it as a means of earning his keep.

His interest dates from the day he climbed aboard a bronc as a tow-headed teen-ager at a Lakeside rodeo. He was promptly tossed on his dignity. He popped up determined to try it again. And he has been doing just that for 19 years.

"After that first ride I traveled throughout California to compete in rodeos," Kropf said. "When I failed to earn enough prize money to keep going, I came home and worked long enough to earn entry fees and took off again."

Prior to World War II he settled down to a steady job at Convair SD and followed his hobby on week-ends. Following a period in the service, he hit the big-time with the touring Rodeo Cowboys Association traveling through California, Nevada, Arizona and New Mexico. He matched his skills against such men as Bob Crosby, Toots Mansfield, Jerry Ambler and others who are legends in the rodeo world.

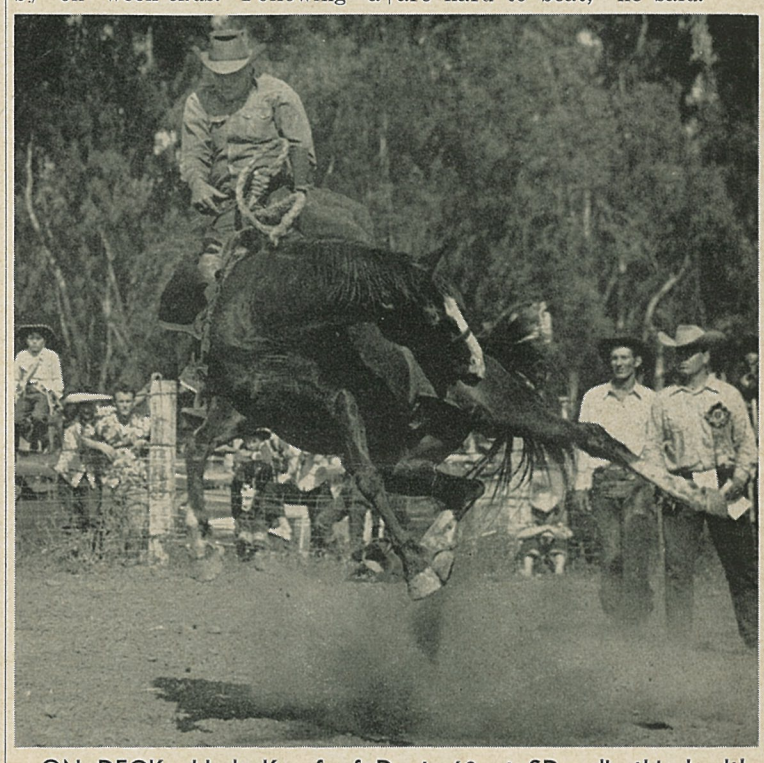
Kropf decided to hang up his chaps in 1949 and rejoined Convair SD, competing in rodeos only on week-ends. He now limits his efforts to saddle bronc busting.

"Rodeoing hasn't changed much in 20 years," Kropf said. "The stock is still tough, competition keen and the men are rough.

"Sure they've worked out a better disposition of prize money and the purses are larger, but it still takes a good man to stay in the middle long enough to earn this money."

Ironically, Kropf considers competition tougher in Southern California than any other part of the country, especially in the winter months.

"Your good cowboys flock out here to retire or to work in the movies during the bad weather months. They always show up where rodeos are held and they are hard to beat," he said.



ON DECK—Herb Kropf of Dept. 60 at SD calls this healthy recreation! Riding "Red River," Herb was at Fallbrook, Calif., when this was taken in 1952. Horse came down on his backsides, and Herb bailed out.

News Clipping Reminds Fort Worth's Cal Moore Of 51-Pound Catfish and 'Great Fish Fry of '24'

Memories of a fish fry 30 years ago were refreshed last week when the postman left a letter at the home of Cal Moore of the Convair Fort Worth personnel department.

"We served about 35 people," Cal recalled. "And it was all from one fish we pulled out of Lake Worth."

Cal had a newspaper clipping to prove it, taken from the Fort Worth Star-Telegram of Aug. 29, 1924. The clipping was sent to him recently by the widow of the late Joe Daniels of Stephenville, who with Moore was among the fishermen involved.

"I hadn't thought of that fishing party for many years," said Cal. "But I remember that catfish well. We went fishing at night.

"We used a live perch for bait, and after the cat bit, it took us about an hour to land it.

"He was four feet and two inches long, and weighed an even 51 pounds. When we finally got ashore, I tossed him on the running board of my Model T Ford and took him to camp.

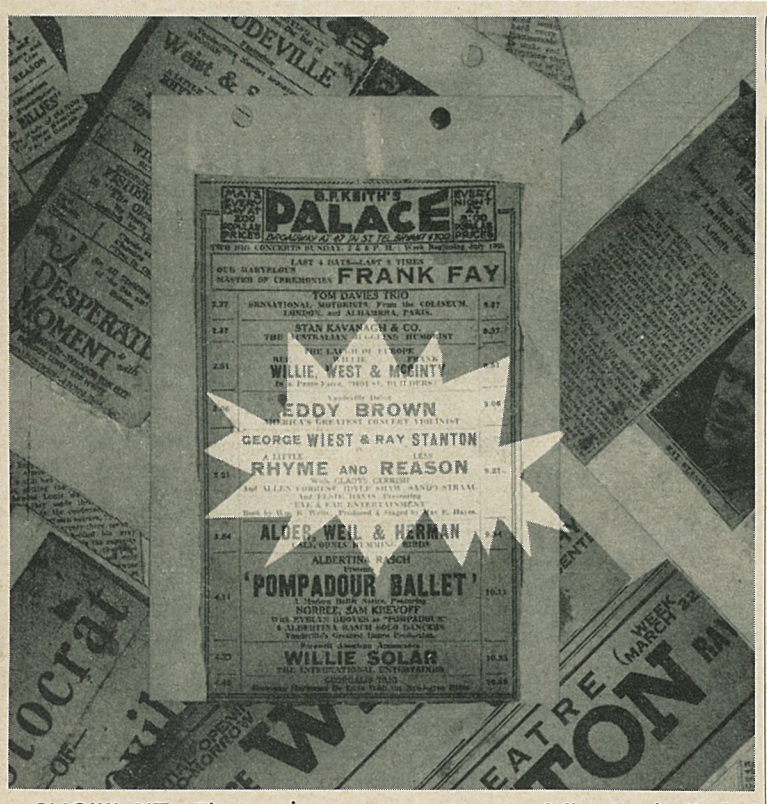
"We had to invite just about everybody we knew to get enough people to eat him."

In the fishing party along with Cal was his father, M. H. Moore, for 20 years superintendent of Fort Worth public schools.

FINISHED—Back in July, 1954, Convairiety carried a story about Vince Rhoades (Pomona Dept. 25) and his talent for carving. At that time, he was working on a wooden likeness of his wife. It is finished now, after seven months of work during rest periods and lunch times.

Tax Data Available

Employees who are itemizing their medical deductions for income tax return purposes will be aided by forms available at employee service at both Plants 1 and 2 in San Diego. The form includes a table for establishing the weekly premium paid.



SHOW BIZ—These are among mementos of "two-a-day" that Ray Stanton of Convair Pomona rarely looks at nowadays. But it was fun, though he admits he prefers the present, because he's "home every night."

Pomona's Stanton Remembers Days When He 'Played the Palace' in NY

Although Convair Pomona's Ray Stanton was once one of the top entertainers in big-time vaudeville, he spends little time with his memories. Instead, he is far more interested in living in the present and looking to the future.

"I thoroughly enjoyed every minute I spent in show business, but when I left it I left it for good," Stanton said. "I find my present work in labor relations equally as interesting. Also—and this is one reason we left show business—I'm home every night."

First a singer, later a comedian, Stanton remembers reaching vaudeville's top rungs.

Stanton was successful in several phases of show business before his "retirement" about 15 years ago. He helped write many of the scenes for George White's "Scandals," Earl Carroll's "Vanities," and many other shows. He did some singing—"I had a fair, but not outstanding, voice," he said. He appeared in several short film features for Warner Brothers. And for seven years he and his partner had their own unit.

But Stanton is best known, perhaps, as a comedian in big-time, two-a-day vaudeville.

His first taste of show business was acquired by acting in amateur theatricals in college. Then in 1922, after his graduation from the University of New York, Stanton turned professional.

"I started as a singer, but I discovered more or less accidentally that I had a flair for comedy," Stanton recalled. "I teamed up with George Weist, who is now one of the leading producers for the American Broadcasting Company. Our big chance came in 1926, when a leading producer saw our act and liked it. Three weeks later we were playing the Palace."

Playing the Palace Theatre in New York, incidentally, was the ultimate goal of every vaudeville performer. A week's engagement there meant that an entertainer had reached the top of vaudeville's ladder.

Stanton and Weist—or, as they were billed, "Weist and Stanton"—worked together for more than 14 years. They appeared in every major city in the United States and Canada, and in many of the smaller ones. And after their first run at the Palace, they headlined all bills in both the Keith and Orpheum Circuits.

These were the two leading vaudeville circuits. The Keith circuit included leading theatres in major cities on the east coast and as far west as Chicago. The Orpheum was the major circuit in the west. The two eventually merged to become the Keith-Orpheum Circuit, and still later became Radio-Keith-Orpheum — or RKO.

The partners are generally given credit for originating "blackouts" — quick tabloid scenes, usually humorous and sometimes musical. And they frequently appeared on the same bills with many of the present-day great names in entertainment. These included, among many others, Jack Benny, Bob Hope, Bert Lahr, Ken Murray, and Red Skelton.

Even before he left show business Stanton started gathering experience in the labor relations field. During the years he and Weist had their own unit Stanton handled all negotiations with the stagehands' and musicians' unions. Then in 1941 he joined Lockheed's labor relations staff, and for a period during World War II he taught personnel administration and labor relations at UCLA. In 1950 he established his own business as an industrial relations consultant, and just over a year ago he joined Convair.

Stanton frequently receives offers to return to show business, but he invariably refuses, except, perhaps, for an occasional after-dinner-talk.

"It would just stir up old memories, and I've always preferred looking forward to looking back," he explained.

Stanton, however, will make a minor exception Feb. 18 when he appears on the Convair Pomona Management Club program.

"No, I didn't train him myself —I'm John's second wife."

Seven Way Tie In Housekeeping

Seven functions at Convair SD started the new year out in style by tieing for first in the January Good Housekeeping contest with perfect records.

The winners included T-29 primary and major, experimental, fabrication (Plant 1), manufacturing control (Plant 1), electronics, material and T-29 final.

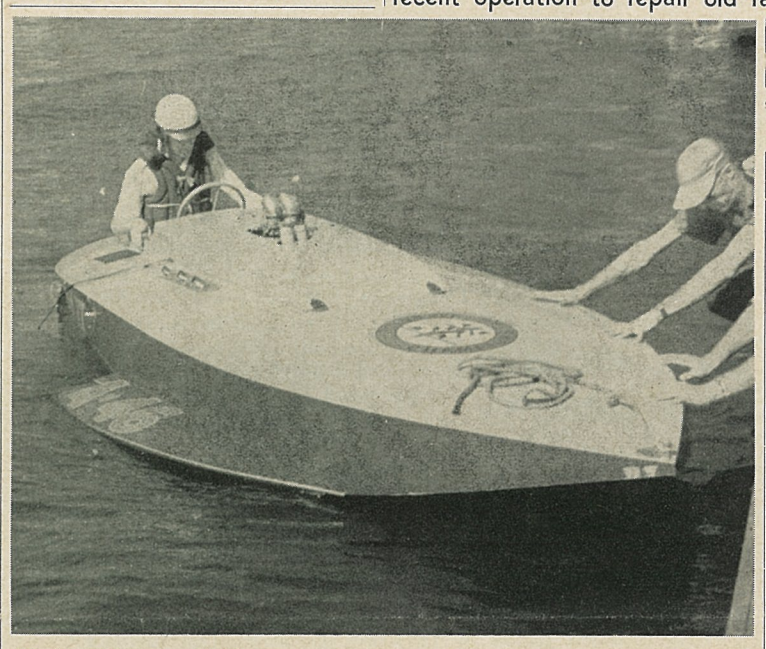
Average violations per employee also dropped from .012 in December to .011 in January.

Only T-29 primary and major, experimental and T-29 final were repeat winners from December.

Average Violations Per Employee

	Jan.	Dec.
T-29 Primary & Major	.000	.000
Experimental	.000	.000
Fabrication, Plant 1	.000	.025
Mfg. Control, Plant 1	.000	.001
Electronics	.000	.014
Material	.000	.015
T-29 Final	.000	.000
R3Y Major & Final—F-102 Comp.	.002	.048
Tool Mfg., Plant 1	.008	.000
Field Operations	.009	.004
F-102 Major & Final, Plant 2	.014	.031
Mfg. Control, Plant 2	.015	.028
340 Major & Final	.026	.000
Plant Engineering	.029	.000
Tool Mfg., Plant 2	.035	.034
Fabrication, Plant 2	.045	.010

MEMORIES—Sam Owen of Convair Fort Worth and his son Phillip, upper photo, look over scrapbook dealing with days when Sam was a speedboat champion (see below). Racing was his hobby until an accident put him out of business. Cast is result of recent operation to repair old race injury.



He's Slowed Down

30 mph Is Fast Enough Now for Ex-National Speedboat Champ

An operation in January for an injury two years before is putting a former national speed boat champion back on his feet at Convair Fort Worth.

He's Sam Owen, an engineering writer who almost lost his life at his favorite sport.

The scene was Red Bank, N. J., on Sept. 14, 1952. It was the 20th annual National Sweepstakes Regatta.

Owen was racing a speedy 135 cubic inch inboard named Ethel XX.

As he rounded a turn leading the pack, the water looked smooth. He opened up to almost 100 mph. Then the boat exploded, flipped over and disintegrated.

He ended up on the critical list in the hospital. Covered with bruises, a bone-deep gash in his right leg, Owen was lucky to be alive. It didn't matter that he'd lost his 1951 national championship.

But the years didn't do much to heal the leg. So Owen went to the hospital late last month for another operation.

"That gave me some time to catch up on some reading I'd been neglecting," said Owen.

It also gave him more time to think about the boat he's building now. This one's designed for safety—and speed. The 35 mph kind of speed.

Owen's racing won him quite a bit of fame a few years back. Besides being national champion in 1951, he also won the Webb trophy, one of the top prizes in power boat racing. It formerly was won by such famed racers as Gar Wood, Guy Lombardo and Lou Fageol. He won it in 1951 at a regatta in Minneapolis.

Owen raced for eight seasons. Although he won a large percentage of his races, he doesn't have many trophies to show.

"We raced for money. And Chap Haley, owner of the Ethel XX, got most of the trophies," he said.

But the near-fatal race was the most important of his career.

"I had already made up my mind it was going to be my last race. But I quit one race too late. My wife and the owner of the boat and I all had a funny feeling about that race.

"When I left my advertising job in Columbus, O., right before the race, I tidied up my desk as if I weren't coming back," he recalled. "And I didn't. At least not for a month. I guess I was lucky to get back at all."

Owen doesn't have much desire for speed of any kind now. He's not particularly interested in high speed automobiles, boats or anything else.

"I think I've had my fill. After traveling at 100 mph on water, I think 30 is fast enough for a car. Plenty fast enough."

Right now Owen is content to get his leg back in good shape. But boating is still one of his big interests. Not only does he keep up with the boating news, but he also writes articles for "Motor Boating."

Convair Daughters Win in TV Contest

Three Convair daughters will share the spotlight when Horace Heidt brings his "Youth Opportunity Show" to the Russ Auditorium in San Diego tonight (Feb. 9).

Gay, Bonnie and Linda Cowie, daughters of Mr. and Mrs. Jim Washburn (he's in Dept. 355), won the right to appear on the program with two other acts after their Gay-Bon-Lin Trio won over a field of 45 contestants.

Winner in the local contest will be given an opportunity to compete against other winners in a higher contest at a later date.

Civic Leaders at SD To Answer Questions For Convair Clubmen

Convair SD Management Club members will be able to fire questions at a panel of four civic leaders Feb. 23 when the club stages a "Greater San Diego Night" at Balboa Park Club.

A panel will answer questions about San Diego submitted by members in advance and also questions asked from the floor during a portion of the meeting. Heading the panel as moderator will be Mayor John Butler. Panel members and their particular field include: Mitch Angus, tourist bureau; John Bate, harbor development; City Manager O. W. Campbell, sewage disposal; and Harry Evans of the Chamber of Commerce, industrial expansion of Kearny Mesa.

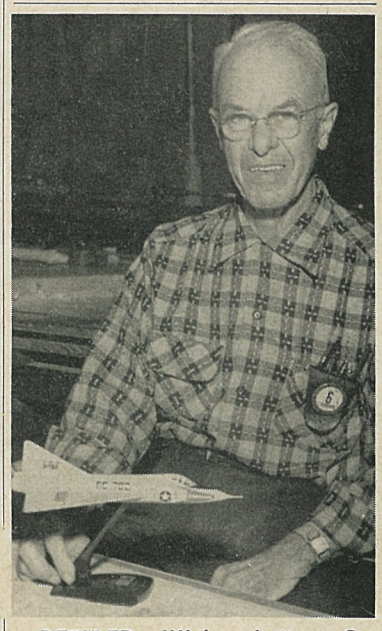
Industrial engineering is the sponsor department, Dale Marks program chairman. The CRA Choral Club will sing.

Convair SD Men Make National Magazines

Two articles written by Convair SD men have appeared in recent issues of national magazines.

"How I fly the Pogo" by J. F. (Skeets) Coleman, XFY-1 test pilot, appeared in the February, 1955, issue of Popular Science.

C. R. Smith, research test engineer, wrote an article on "Predicting Fatigue Failure" which appeared in the January issue of Aero Digest magazine.



RETIRED—Walter Leitner Sr., an engineering draftsman since 1900, completed a remarkable career recently at San Diego and retired. He had been with Convair four years. He started as a draftsman in Chicago, later taught high school mechanical drawing for 27 years, and probably holds a world's record for nearly 55 continuous years in drafting.

Rivets

B. J. Long, Dept. 6 test pilot at San Diego, overheard this conversation between two mechanics working on the ski-equipped Sea Dart:

"Must be a Russian plane. See, it's got 'Up-ski' and 'Down-ski' printed in the cockpit!"

* * *

During the San Diego Open **Walter Burke** tried to retrieve his overcoat from the check room in the Mission Valley club. The only coat there was not his. In fact it was about twice as big as his.

Fred Hamlin heard Burke's complaint and noting the size of the coat made a fast guess that it belonged to Ray O'Brien of P.G.A., considering O'Brien's healthy girth. Therefore, O'Brien must have Burke's coat. O'Brien did.

* * *

Not long ago **Neil Morgan** wrote in his San Diego Tribune column about **Cindy Smith,** 6, daughter of **R. A. Smith** of SD's Dept. 8. Cindy had never had a proper birthday because illness had always interfered. This year was no exception, because on her birthday, Jan. 28, Cindy was in Mercy Hospital undergoing a lung operation.

Her father reported last week that thanks to the item Cindy has received scores of get-well cards from well wishers and that she will get a delayed birthday party as soon as she is well enough. The sisters at Mercy are preparing a cake.

* * *

Danny Whorton of Dept. 355 (CRA Rockhound co-commissioner) and **Mary Nichols** of Dept. 22 had fully intended to get married in Las Vegas over the New Year holidays.

But when they got to Las Vegas there were waiting lines at all the chapels. So they got married in Kingman. That'll larn 'em.

Two New Ballroom Dance Hours Added

Two new ballroom dance classes for beginning adults are now being offered under CRA sponsorship at Convair SD, according to Commissioner Ellen Andreasen.

One meets at 9 each Monday night and the other at 7:30 each Wednesday night. Both are at Silverado Ballroom.

The new classes were started after CRA offered use of its ballroom dancing facilities to members of the San Diego Industrial Recreation Council.

Dernbach New Prexy For Coin Collectors

Frank Dernbach was installed as president of the Convair SD Coin Club for 1955 at a recent meeting. Also taking office were: Vince Bacon, vice president; Sam Galasso, treasurer; and Eve Ulsund, secretary.

The club meets at 7:30 p.m. the first Tuesday of each month at Dartlee Hall. It is open to all Convair coin enthusiasts.

BACK TO NATURE—Camera Club members at San Diego sought the wide open spaces for this field trip at Mount Woodson, between Lakeside and Ramona. Model is Sally Fiqueredo, formerly Dept. 22.

Rockhounds Name New Officers; Mineralogy Class May Start

New officers of the CRA Rockhounds, installed last month at Convair San Diego, this week announced a triple-barreled program including an upcoming field trip to the Hauser Beds, a possible mineralogy class and the start of a Rockhound class for second shift personnel.

Elected to head the group for 1955 were Hal Leppart, Dept. 5, president; Howard Musick, Dept. 6, vice president; Lawrence Bender, Dept. 31, treasurer; Virginia Forbes, Dept. 70, secretary, Jack Benedict, commissioner, announced.

Appointed to the Board of Control were L. C. Musser, Dept. 10; Allen Van Norman, Dept. 6; George Forbes, Dept. 528; Homer Popplewell, Dept. 31; George Seward, Dept. 6; Frank Gallik, Dept. 31; Joe Rogers, Dept. 300.

The field trip is planned for the weekend of Feb. 19-20 to the Hauser Beds which are located approximately 31 miles east of Desert Center on highways 60 and 70. Rockhounds are hopeful of finding generous quantities of fire agate, chalcedony and jasper.

"Early Saturday morning CRA markers will be placed along the highway at the turnoff to the camp site at Coon Hollow," Dan Whorton, CRA co-commissioner said. "Be sure to bring plenty of water and warm bedding."

For additional information contact Jack Benedict, ext. 395, Plant 2; Hal Leppart, ext. 1634, Plant 1, or Whorton, ext. 426, Plant 1.

At the regular meeting tomorrow night there will be a general discussion as to possibility of starting a mineralogy class, Benedict said. Convair mineralogists interested in such a class are urged to attend. Meeting time is 8 p.m. in the Natural History Museum, Balboa Park.

A class for second shift personnel will begin Wednesday, Feb. 16 in the rockhound Shanty, Whorton announced. Hours will be 12:30 to 2:30 p.m. each Wednesday, providing there is sufficent interest and an instructor is always available. For the present, the class will operate under instruction of Joe Rogers.

Camera Club Plans First of Quarterly Competitions Feb. 14

First quarterly competition of the year in both black and white and color divisions will be staged by the Convair SD Camera Club at its Feb. 14 meeting.

The time is 7:30 p.m. and the place the Bamboo Room of the La Mesan Trailer Court on Alvarado Freeway.

"Subject matter for the competition is not restricted and the winners in the quarterly competition will be eligible for the "print of the year" award at the end of four quarterly contests," said Commissioner Clarence Schultz.

The club held a picnic and outing Jan. 23 at Mount Woodson near Ramona. Sally Fiqueredo, formerly of Dept. 22, served as a model for the cameramen.

★ ★ ★

Dalbo and Rinker Win 'Print of Year' Awards

Ben Dalbo and Ken Rinker were named "Print of the Year" winners in the annual photo competition for 1954 staged by the Convair SD Camera Club. Awards were presented at the Club's Jan. 24 meeting by CRA Commissioner Clarence Schultz.

Dalbo won the black and white competition, while Rinker placed first in the color slide division.

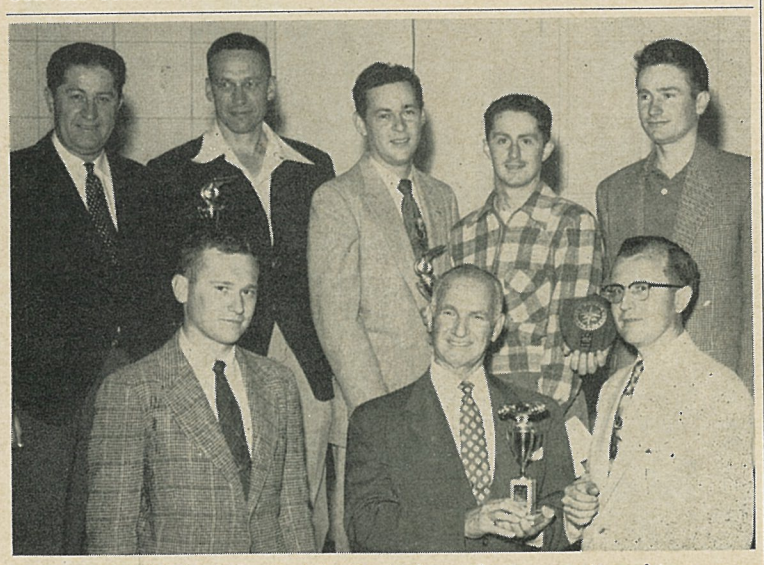
SD Radio Amateurs Go Into Action When High Winds Threaten

Convair SD Amateur Radio Club proved it could mobilize quickly Jan. 18 when the Red Cross declared a stand-by emergency due to approaching high winds. Thirty minutes after the initial call was made, CRAC's station (K6DBS) was active and remained on duty until the close of the emergency.

"This is an excellent example of the club's ability to respond to emergencies day or night," said Commissioner Jesse Baker.

Regular meeting of the club will be held at 7:30 p.m. tomorrow (Dec. 10) at radio headquarters on Harbor Drive. Bud Edelman of Convair SD (Dept. 6) will speak on "Transistors, Their Development and Use."

Baker announced this week that the club voted recently to affiliate with the American Radio League. In addition, the club is taking the lead in trying to re-activate the San Diego Amateur Radio Council by inviting representatives from all local radio clubs to attend the Feb. 10 meeting.



RALLY WINNERS—Ralph De Palma, former racing driver, presents trophies to winners in Convair SD Sports Car Club's "Nutz and Boltz Rally" staged recently. Receiving trophy at right is winner R. J. Blake while R. C. Farrar, his navigator, looks on. In back row left to right are F. Holmes and F. C. Rosacker, second place winners, R. W. Gilbert and R. G. Camp, third, and special award winner G. L. Hart.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Second annual Flying Scale free flight, Feb. 27, Kearney Mesa.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second Tuesday and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Monthly field shoots second Sunday of month, 9:30 a.m., Gold Gulch. Instruction Saturdays 10 to 12 a.m. Equipment available. For additional information contact Bing at plant or home phone CY 6-1863 evenings.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10 p.m., adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 583 or 411, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Annual tournament starts Feb. 16. Entry deadline today, Feb. 9.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park. Annual potted plant show Sunday, Feb. 13.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245; Gene Horstman, ext. 744, Plant 1, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month at Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Feb. 10) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 580, Plant 2. Class schedule: Mondays, adults 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate 12 noon; advanced 1 p.m., at Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658. Election of officers at Feb. 12 meeting.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

SKIN DIVING—Bob Hutson, commissioner, ext. 376 or 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Mort Rosenbaum, president, ext. 1381, Plant 1. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Intermediates, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave. Beginners class to start March 8.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—For Convair employees and their families, Saturday, Feb. 19 at Mission Beach plunge, 7 to 9:30 p.m. Tickets available at Employee Service, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1571, Plant 1.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Fashion show for Convair women, Tuesday, March 1. Watch bulletin boards. Tickets available at Employee Service, both plants.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, Feb. 11: TALL IN THE SADDLE, John Wayne.

Friday, Feb. 18: WAGONMASTER, Ben Johnson and Joanne Dru.

Plus selected cartoons.

Modelers Set Feb. 27 for Annual Free Flying Scale Contest at SD

Outstanding model airplane builders from California and Arizona are expected to be on hand Feb. 27 when the CRA Aeromodelers at Convair SD stage their second annual contest for free flying scale models.

Actual flying will begin at 8 a.m. Feb. 27 at Aeromodelers' Field on Kearney Mesa. Preliminary judging will be at 7:30 p.m. Feb. 26 at CRA Clubhouse.

The contest is sanctioned by the Academy of Model Aeronautics and judging will be made under new AMA rules.

"Any class of model engine is now eligible to compete in AMA events provided they are powering scale models," said Jim Saftig, contest director.

The meet will be divided into two classes, with the junior-senior class combined for model builders up to 21 years of age. Those over 21 will be entered in the open class.

"These models are beautiful to watch in action," Saftig said. "They must be built to exacting scale and at the same time include those features which make them good free flight entries. Judging is based on looks and flight characteristics."

Judges for the event will be Bill Chana, Jack Long and Don Germeraad of Convair SD and Ken Coward of Ryan.

Riding Club Meeting Called for Saturday

Saturday, Feb. 12 is a red letter day for the Convair SD Riding Club, Commissioner Marc Beresford said this week.

Meeting at 7 p.m. at Palomar Stables, the club will elect officers for the coming year, make plans for the annual horse show and discuss types of programs to be held throughout the year.

"It is very important that all members be on hand to take part in ironing out these problems and in selecting a representative group of officers," he said.

The club will hold a breakfast ride at 9:30 a.m. Feb. 20 at Palomar Stables. Reservations may be made by calling CY-6-9658.

BANK OFFERS UTILITY PAYMENT SERVICE

Bank of America's Five Points Branch at San Diego this week reminded SD employees that the branch has a special service for Convair people. Payments for utility bills (gas, light, telephone, water, etc.) may be made at the bank.

ROLLER BOOM—Since ice skating facilities in San Diego lapsed, roller skating has had a shot in the arm. Convair fans at Skateland are shown here at monthly Industrial Recreation Council Skate Night (next one is Feb. 28, free tickets available at employee service at both plants at SD). Center top is Archie Gross of Dept. 25, an old hand at the business. Top left, Bob Carr of Dept. 406 puts on skates for Mrs. Carr and daughters Patricia and Barbara. Top right, Mrs. J. W. Wallace of Dept. 212, helps son Jackie. Lower, center, Ruth Graham of Dept. 1-31 and Donna Sisler of Dept. 410 prepare for a spin.

SD's Basketball Teams Starting Stretch Drive

It will be around the turn and into the stretch for Convair SD cage teams during the coming weeks as the tempo of basketball action picks up.

Plant leagues open the second and final round of play next week. The Eagles of the Industrial League moved by the halfway mark late last month and the City League team is ready to swing into the final stanza of a three-round slate.

Scores in the Tuesday section of the plant league during the past two weeks included: Final Assy. 37, Parts Sales 33; Wing Section 2, Planning 0 (forfeit); Tooling 30, Dynamics 29; Dynamics 56, Wing Section 54; Tooling 52, Wing Section 42; Parts Sales 2, Planning 0 (forfeit).

Friday section scores included: Mfg. Control 41, 340 Wing 37; Appr. 43, Serv. Pub. 24; Loft 34, Fuselage 18; 340 Wing 41, Loft 37; Appr. 59, Fuselage 32; and Mfg. Control 39, Serv. Pub. 25.

The Eagles dropped their first game of the year by a 47-41 count to the league leading Solar team before downing Ryan 38-27 and Rohr 49-40.

The City League team took revenge on the Pacific Beach merchants, winners in an earlier game, and won a 47-38 victory. A forfeit victory over Mutual Fire and a 47-37 win over the Roadmasters made the team a strong second round contender.

★ ★ ★

SCHEDULE

Tuesday

Date	Time	Teams
Feb. 15	6:50	Planning vs. Final Assy.
Feb. 15	7:55	Parts Sales vs. Tooling
Feb. 15	9:00	Wing Sec. vs. Dynamics
Feb. 22	6:50	Dynamics vs. Planning
Feb. 22	7:55	Parts Sales vs. Wing Sec.
Feb. 22	9:00	Tooling vs. Final Assy.

Friday

Feb. 11	6:50	340 Wing vs. Fuselage
Feb. 11	7:55	Loft vs. Ser. Pub.
Feb. 11	9:00	Mfg. Control vs. Appr.
Feb. 18	6:50	Fuselage vs. Mfg. Control
Feb. 18	7:55	Appr. vs. Loft
Feb. 18	9:00	Ser. Pub. vs. 340 Wing

ANGLERS HONORED FOR RECORD FISH

Three Convair SD anglers will be honored along with a host of others when the Southwest Anglers Association holds its annual awards presentation in Los Angeles Feb. 25.

The anglers all caught the record fish during 1954. They have already won monthly prizes from the CRA Fishing Club.

Paul Osborn, factory manager at Plant 2, will receive an award for his bull bass weighing 10 pounds, four ounces.

Joseph Jones (husband of Alta Jones, Dept. 250) will be honored for his eight pound, seven ounce Corbina, the largest ever recorded by the Association.

Howard M. Davidson (husband of Viola Davidson, Dept. 250) registered the largest crappie caught in 1954, a two pounder.

Sports Car Racer to Speak for Club in SD

Akton Miller, noted sports car racing driver, will be the speaker at the Feb. 16 meeting of the Convair SD Sports Car Club. The meeting starts at 7:30 p.m. at the Natural History Museum, Balboa Park.

Two three-car teams will carry CRA colors during the San Diego Rallye slated for Feb. 27.

Half Price Offered Convair at Coliseum

Half price admission for Convair SD fans to wrestling matches at the Coliseum starting next week was announced this week.

ID cards will be honored. Top price of $2.20 will be $1.10 for Convair fans. General admission of 80 cents will be cut to 50 cents for Convair. The rate is through the courtesy of Hugh Nicols, promoter, through Les Cook of Dept. 27, State Athletic Commission representative. The first fight will be Feb. 15.

WHISTLER — Bud Davies, SD ice skating commissioner, turns to rollers for exercise, now that ice rink in San Diego has closed. Obviously, he's the whistling type.

SD Management Club Bowlers Prepare to Enter Wire Tourney

Strikes and spares were the chief topics of conversation this week for Convair SD Management Club members planning to enter the seventh annual National Telegraphic Bowling Tournament of the National Association of Foremen.

The Convair keglers will roll at 2 p.m. Feb. 27 at Tower Bowl, according to Mike Alianelli, club vice president.

NAF organizations throughout the U.S. will compete in the telegraphic tournament and trophies will be awarded winners.

Deadline for entering the tournament is Feb. 18, Alianelli said.

"Any member of the Management Club who is also affiliated with the American Bowling Congress is eligible," he said.

Entries may be made by calling Leo Denny, ext. 403, Plant 1, Mike Brooks, ext. 583, Plant 2, Jim Hayman, ext. 1670, Plant 1, or Arnold Springer, ext. 355, Plant 2.

Roller Skating Sessions To Substitute For Ice

In keeping with the transition of Convair SD skaters from "blades to wheels," CRA will start a trial series of roller skating sessions beginning Feb. 12.

CRA has arranged to take over the rink at Skateland, Front and G Streets, from 2 until 4:30 p.m. each Saturday and will offer new low rate admission prices to Convair fans.

Adults and children will be admitted for 25 cents, providing they show membership cards of the new CRA Roller Skating Club. Cards are available at employee service offices at both plants, without charge.

They will also be issued at the rink Feb. 12 upon presentation of a Convair ID card.

Clamp-on skates will be provided free and shoe skates may be rented for 25 cents.

"These sessions will be conducted first on a trial basis and then continued regularly if sufficient interest is shown," said Pete Beyrer of CRA.

Skaters found themselves with diminished facilities early this year when the only ice rink in San Diego county closed, and CRA's move was made to meet the increased demand for roller skating activity.

Edwards Marksmen Defy Wind and Rain

Some 40 marksmen braved adverse weather conditions to take part in the regular monthly shoot of the Edwards AFB section of the Convair Gun Club Jan. 30 at the Elks Range, Quartz Hill.

Wind and rain pelted the competitors throughout the shoot that saw J. Wilkerson cop the Class A trap event, L. M. Barnes win the Class B trap event and A. V. Martinez win the Class C section of the same event.

Jean Crall won the women's section of the skilled rifle event, while her husband (Don) took honors in the men's rifle competition.

Model Boat Building Project Is Proposed

An organizational meeting of Convair SD people interested in model boat building will be held at 7:30 p.m. Feb. 24 at CRA Clubhouse.

"Those interested in model power boat building, racing or radio controlled models are invited to attend," according to Jerry Schultz of CRA.

Convair SD Golfers To Try Border Links

Convair Golf Club at San Diego will travel south of the border Feb. 12 and 13 for their first tournament of 1955 to be played over the Agua Caliente Golf Course.

The best low net event will find prizes going to the first and second low net winners in three handicap groups (0 to 11, 12 to 20 and 21 and up), plus a blind bogie award.

The event is limited to members only, but golfers may sign up for their 1955 membership on the starting tee, according to Art King, club president.

For starting times and pairings call Gerry Cox, ext. 541, Plant 2.

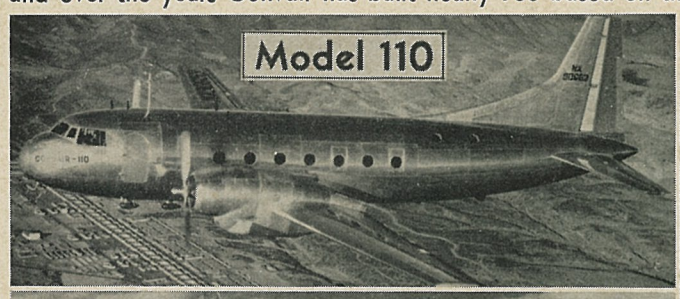
Swim Nights Resume, Free Tickets Await

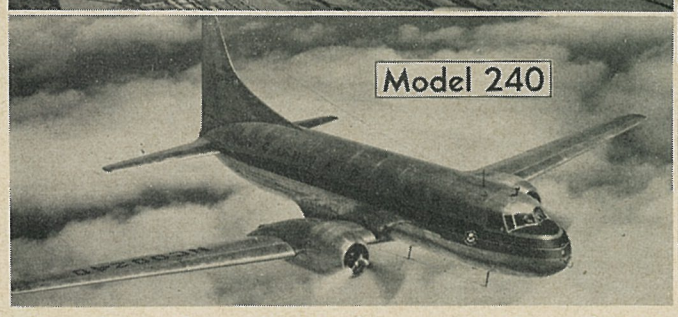
CRA at San Diego, in conjunction with the Industrial Recreation Council, has scheduled another series of monthly "swim nights" at the Mission Beach Plunge.

The first is slated from 7 until 9:30 p.m. Feb. 19. Free tickets are available at employee service offices at both San Diego plants.

It's Been Almost Ten Years . . .

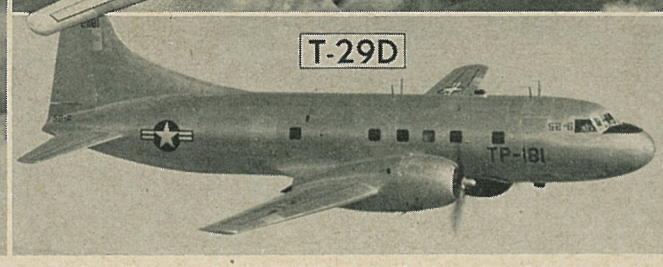
About a decade ago, Convair chose to plunge into the two-engine transport business. Starting first with a commercial plane, the project developed military possibilities, too, and over the years Convair has built nearly 750 based on the model 240 and later the 340 designs. Photos illustrate the march of time.





Top photo: the model 110, forerunner to the model 240, shown in flight near San Diego. Notice the round windows.

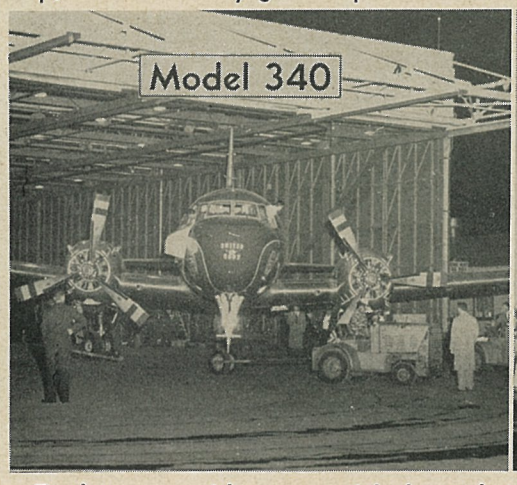
Lower photo: the model 240, the airplane that put Convair into the commercial field. It was a mighty expensive step; but it is a truly great airplane.



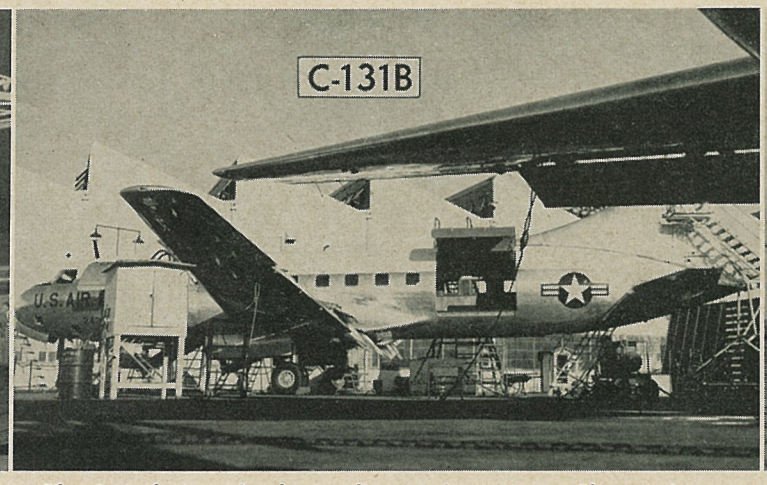
Top photo: the model 240 design lived on in the military T-29s. The A models had four astrodomes, the B and C only three.

Lower photo: this is the model D T-29 which is still coming off the lines at San Diego. This model is without astrodomes.

The 240 design also survived in the C-131A, the "Flying Samaritan" which now serves Military Air Transport Service. A "hospital" plane, it is equipped with litters for wounded as well as seats (rearward facing) and can serve as a transport. Shown is lift and large rear cargo door.



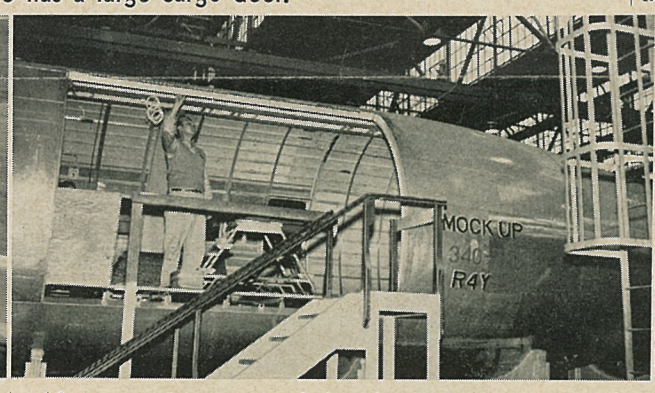
To keep up with commercial demands, Convair introduced the model 340. Shown above is the first United Airlines ship.



The 340 design also had military adaptations. Shown above is the C-131B, called a "test bed" for electronic equipment. Note that it also has a large cargo door.

Still another based on the model 340 design was the YC-131C, equipped with turboprop engines. Two of these, converted at Fort Worth, now serve MATS.

This is the C-131D, a model 340 adapted to Air Force requirements as a transport, shown on SD flight line.



Next new 340 type will be the R4Y, a transport for the U. S. Navy. This is the mockup at cargo door. Subassembly work is now in progress.

And here is the last of the commercial model 340s on order, a REAL airplane. Shown are H. L. Berry and E. E. Rinks of Dept. 57.

Variety of Military Planes Grow Out of Convair-Liner Designs

(Continued from Page 3)

weight, for example, was 36,000 pounds, while the first model 240's were 40,500, later increased.)

Convair's first model 240 flew for the first time March 16, 1947. American accepted its first ship Jan. 25, 1948, for pilot training, and the first fully licensed by CAA for passenger travel was turned over to the airline Feb. 23, 1948. On June 1 of that year the first model 240 went into regular service. The first foreign delivery, to Trans-Australia Airlines, left San Diego Aug. 25.

Although usually known within Convair as model 240s, the airplanes were internationally known as Convair-Liners. By the end of 1948 Convair had completed 113 and during 1949 brought this total to 178.

Conscious of the possibilities of military as well as commercial business, Convair, meanwhile, had advanced the 240 design as a possible Air Force trainer. The upshot of this was the T-29.

The first T-29s, known as model As, were not pressurized. They were navigational trainers for Air Force students and quickly picked up the name of "Flying Classrooms." Chief distinguishing feature was the presence on top of the fuselage of four astrodomes through which students could practice taking sextant sights. The first T-29 flew Sept. 22, 1949 and the first delivery was in February of 1950.

Eventually, the early T-29As were returned to Convair for modification including the addition of bombardier training aids and the installation of outer wing panel tanks.

The next T-29 was the model B, materially changed by the addition of pressurization. These had three astrodomes instead of four. The first flew Dec. 12, 1951.

Next was the T-29C, distinguished mainly by a power plant and interphone change.

Latest T-29 is the D model. For this airplane astrodomes were eliminated by the adoption of periscopic sextants. The plane is equipped to train bombardiers in both optical and radar bombing and some of the equipment duplicates that used in the B-36.

Still another airplane based on the 240 design was the C-131A, called the "Samaritan." This was an air evacuation transport for the Air Force. First announced in April, 1952, the first one flew March 5, 1954.

Meanwhile, though trainer planes kept Convair in the two-engine business, Convair continued to keep an eye on commercial possibilities and in December of 1950 announced a new Convair-Liner, the model 340. Larger (gross weight 47,000 pounds) than the 240, the first 340 flew Oct. 5, 1951 and the first production plane Jan. 18, 1952. United Air Lines accepted its first plane March 28, 1952.

Convair also saw military chances for the 340 and this led to the C-131B, built for the Air Force as a test bed for electronic equipment. The first flew Dec. 1, 1954.

Meanwhile, the Air Force also was interested in two model 340s to test out turboprops. Converted at Fort Worth to carry Allison T-56 power plants, the first plane flew May 20, 1954 and last month went into service for MATS. They are called the YC-131C.

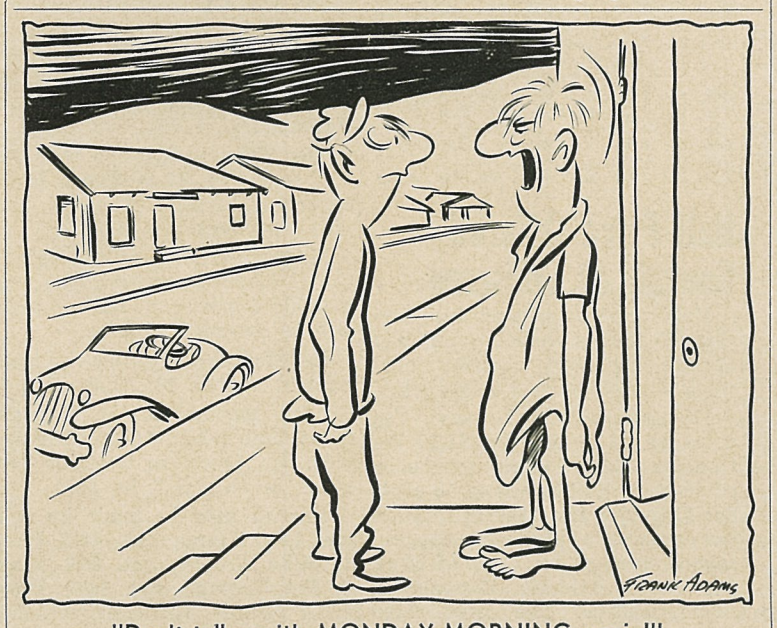
Still another version of the 340 developed during 1954, a strictly transport type for the Air Force, was designated the C-131D. It flew July 28, 1954.

The last in the current series, based on the model 340, is known as the R4Y. Also a transport version, this is being built for the U. S. Navy. Subassembly work has begun and mockup is in progress on this contract.

Still coming off San Diego production lines are: T-29Ds and Cs, C-131Bs, last of the C-131Ds, and the last two commercial 340s.

Convair Airlifting Project Recalled

An interesting bit of Convair history was turned up during research for this Convair-Liner review. It involved a four-engine commercial transport built in 1944, called the XR2Y-1, which engaged in a joint Convair-American Airlines study into the feasibility of air lifting perishable crops (such as Imperial Valley produce) from the west to the east coast and returning with manufactured goods. (Incidentally, this project hauled the first air cargo of furniture from east to west.) The airplane design was abandoned when Convair elected to enter the two-engine field.

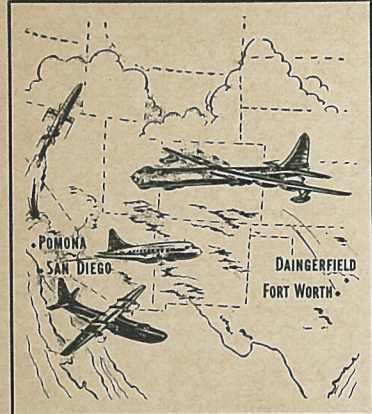


"Don't tell me it's MONDAY MORNING again!"

All Ex-ATC Officers Asked to Check in

Veterans of the Air Transport Command will hold their tenth reunion this week (Feb. 11) in New York City.

Efforts are being made to contact all former ATC officers in order that they may be individually informed on future events. All former officers now with Convair were asked to send their names, departments, addresses and period of ATC service to E. J. LeFevre, room 740, Building 19, Convair San Diego. LeFevre can be reached by phone at San Diego on ext. 277.



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Convairiety

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San Diego

EDITION

San Diego Division news office: Building 32, ext. 1071.

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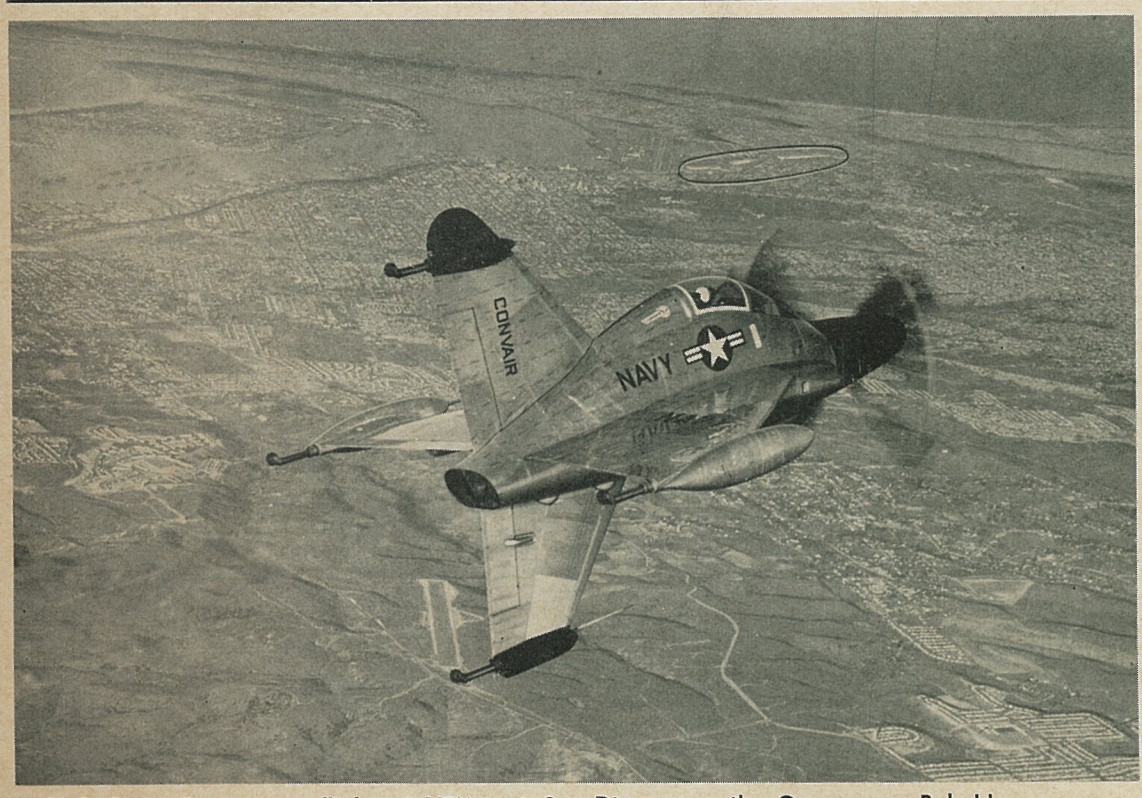


CLOSEUP—During test flight of XFY-1 at San Diego recently, Cameraman Bob Hermann came back with this excellent closeup which he shot from chase plane. Note sweep of San Diego Bay in background. Circle marks location of Convair SD plants.

Convair Sons to Get College Scholarships Beginning This Fall

A new undergraduate scholarship program to assist sons of Convair employees in obtaining college training in engineering or an allied science will go into effect during 1955.

Two scholarships each will be awarded at Convair San Diego and Fort Worth each year beginning in September, 1955. Convair Pomona and Daingerfield will join in issuing a single scholarship between them.

The scholarships cover all tuition and laboratory charges at any accredited college or university, plus a sum of $250 to be paid in equal installments at the beginning of each semester. The recipient will normally hold the scholarship throughout his college course provided he continues to meet requirements.

Any son or stepson of a Convair employee is eligible if his parent is a regular Convair employee who has completed at least five years of accredited service with the company. In certain cases present employees of Convair who have graduated from secondary schools during the past two years will be eligible, but they also must be sons of regular employees with at least five years service.

Applicants must also have completed college preparatory courses which meet the special requirements for admission to their chosen college or university.

Application forms will be available at training sections at all plants. They must be filled out by the applicant and countersigned by the heads of secondary schools they attended. These forms, plus a transcript of high school credits for four years, must be mailed to the training section before March 31, 1955.

Applicants will be notified by Convair of their eligibility and the time and place of personal interviews by April 15. Winners will be announced in May.

Separate committees in the different communities will select the winners. In each case the committee will be headed by Convair's vice president—administration. Other members will be the division manager, chief engineer and manager of industrial rela-

(Continued on Page 2)

CRA to Lease Acreage Near Sports Center

CRA at San Diego this week is negotiating a lease for 45 acres of land west of the Gillespie Field area of El Cajon Valley where plans are progressing for a recreational center.

"Our area will be quite near the Flying Hills Golf Course which is now under construction, as well as close to the swimming pool," CRA President Gil Crosthwaite said.

"We feel that there is no doubt that this general area will become a major recreational center and the acreage will give CRA an opportunity to create additional facilities for Convair people."

Current plans call for trap and skeet ranges on the CRA acreage, an archery range and picnic grounds and possibly a clubhouse and a rifle range.

The proposed lease is for five years, with an option to renew.

R3Y at SF For Landing Test in Rough Water

A Convair R3Y-1 Tradewind seaplane made its first tests this week in rough water during a dozen takeoffs and landings on San Francisco Bay, B. F. Coggan, Convair San Diego manager, announced.

The R3Y-1 was flown by a Convair crew to Alameda Naval Air Station where high winds provided good conditions for testing the big seaplane on a large bay. Previously, all operations with the turboprop seaplanes had been from San Diego Bay.

Alameda NAS will become home base for the fleet of Tradewinds as Convair delivers them. The high-speed transports are scheduled for transPacific service with the Navy's Fleet Logistics Air Wings, Pacific.

Convair is building two versions of the Tradewind for the Navy. The R3Y-1 is a standard type seaplane transport and the R3Y-2 is a bow-loading version designed for landing troops, mobile equipment, and cargo directly on beaches.

Both types are powered by four Allison T-40 turboprop engines equipped with contra-rotating propellers. Maximum speed of the Tradewind is over 350 miles an hour and gross weight is 160,000 pounds.

Best CIP Records For Year to be Recognized With 'President's Award'

Gen. Joseph T. McNarney of Convair last week presented the first of a new, continuing awards program that will affect Pomona, San Diego and Fort Worth Divisions.

Appearing before the Convair Pomona Management Club last Friday night the general recognized A. L. (Red) Marker Jr., assistant foreman in Pomona's Dept. 53, for an outstanding record in the Cost Improvement Program in 1954 and presented him with the first "Convair President's Award" plaque.

The general will make a similar award tonight at a meeting of the Convair SD Management Club to the individual who has the best CIP record at San Diego.

A third award will be made next month honoring the top CIP man of Fort Worth.

In addition to plaques to individuals, the President's Award also involves plaques to division managers to be hung in their offices and to carry the names of individual winners as they are selected over the years.

"Nothing could make me happier than to emphasize in this way the personal importance I attach to the cost reduction program," the general said last week at Pomona.

"When it takes two newspaper lines to print the national debt figure, we are likely to regard anything we might do individually to keep down costs as rather insignificant.

"But think of this. If everyone in this factory at Pomona had submitted cost improvement ideas as valuable as tonight's award winner, the total savings would have been enough to buy the entire city of Pomona twice over at its current assessed valuation!"

McNarney recalled that the CIP program is comparatively young at Pomona, but that in its eight months of operation during 1954 the indicated savings from the ideas submitted totaled $140,000, with prospects for more savings

(Continued on Page 2)

NUMBER ONE—Gen. Joseph T. McNarney shown presenting first "President's Award" to A. L. Marker, Jr., at Friday night meeting of Management Club in Pomona. The general will present a similar award tonight at SD Management Club meeting and still another next month in Fort Worth.

AF Employment Stand Outlined

The Air Force is making every effort to keep the aircraft industry both strong and steady.

That was the reassuring word from Air Force Secretary Harold Talbott as he visited Convair Fort Worth Feb. 14.

"We're trying to avoid the dizzy peaks and the sickening dips that for so many years have been so murderous to the aircraft industry," he explained.

Talbott met reporters and photographers after a briefing on the B-58 supersonic bomber and a conference with August C. Esenwein, Convair FW manager.

Accompanying Talbott from Washington were: Roger Lewis, Assistant Secretary of the Air Force; and Lt. Col. Lee Hogan, Talbott's aide.

In an interview, Talbott described the B-58 as "one of the most remarkable and important" of current Air Force projects.

He cited the job being done by Convair people as an excellent example of how well industry and the Air Force are working together.

SD Men Serve in Red Cross Drive

San Diego's annual Red Cross funds campaign will start next week with a number of Convair SD men in active roles.

B. F. Coggan, Convair SD manager, and a national vice chairman of the Red Cross, is chairman of the 1955 fund planning campaign. A. W. Abels of contracts is chairman of the employee solicitation group with responsibilities for contacting major concerns in the area. Group vice chairman is Frank Pickard of employee service. Other members include Tom Wills (Dept. 3-0), Frank W. Burr (Dept. 3-4), Lee H. Boggess (Dept. 9-5), Max Burland (Dept. 1-31), Palmer Chase of public relations, E. J.

(Continued on Page 2)

Antelope Valley Unit Of Management Club To Meet Friday Night

The Antelope Valley section of the Convair SD Management Club will hold its initial meeting at 6 p.m. Friday (Feb. 25) at Aleck's Valley Club.

Judge William D. Keller, presiding judge of the Antelope Valley Judicial District Court, will be the speaker. Theme of the gathering will be "Get Acquainted." Interesting highlights of the Valley (past, present and future) will be given.

Some 60 Convair employees working at Palmdale and Edwards AFB have banded to form the new group. It will operate through the San Diego Club under direction of a committee headed by Larry Failor. Committee members include M. T. Dominguez, R. D. Merwin and R. E. Steele.

Representing the SD Club at the first meeting will be President Lee House and Vice President Maynard Bjorstrom.

CRA Fashion Show Complete Sellout

CRA's first Fashion Show was a fast sell-out last week.

All 500 available tickets were taken up within a few days after going on sale at San Diego. The show will be held March 1 at Mission Valley Country Club.

Martha Woodberry, CRA commissioner of women's activities, said that the response was very gratifying and announced that CRA will sponsor another show in the fall with accommodations for a larger audience.

★ ★ Log Book Entries ★ ★

Service Emblems

SAN DIEGO

Service emblems due during the period February 16 through February 28:

Twenty-five year: Dept. 24-1, C. H. Englehardt.

Fifteen-year: Dept. 6, F. B. Wozniak. Dept. 22, T. F. McAleer III. Dept. 25-2, M. T. Radovich. Dept. 28-2, C. G. Nixon. Dept. 31, O. C. Banke, L. C. Holland, G. O. Turner. Dept. 70, J. K. Harkins. Dept. 212, J. C. Wilson. Dept. 215, E. H. Wallrabenstein. Dept. 303, N. R. Keough. Dept. 524-2, W. E. Ladd.

Ten-year: Dept. 6, R. C. Lambert. Dept. 9-5, Anne C. Tribbet. Dept. 22-6, Hilda Z. Quinn. Dept. 25-2, O. T. Briley, W. D. Muir. Dept. 31, C. E. Rogers.

Dept. 52, F. A. Brown, Edward Dworak. Dept. 102, E. L. Colliver. Dept. 235, Alex Carrillo. Dept. 250, Elizabeth D. LaBarre. Dept. 524-2, Lawson Rollo Jr. Dept. 528-3, Ralph Yturralde.

Five-year: Dept. 6, J. W. Bethards, Mary S. Holiday, Dorothy W. Nelson, J. M. Silas, T. L. Stalnaker, R. C. Wills. Dept. 10-8, Clarice M. Bowden. Dept. 14-1, Dorothy M. Tunison. Dept. 25-1, R. H. Noble. Dept. 31, M. B. Abbey, R. E. Cummings, M. P. Jones, Benjamin Martin.

Dept. 35, G. R. Comfort. Dept. 43, M. G. Gonzalez. Dept. 46, Myrtle B. S. Tubbs. Dept. 52, G. B. Bascue. Dept. 55, Lillian B. Davis. Dept. 102, H. H. French. Dept. 115, Lauretta S. Whitmire.

Dept. 202, J. L. McKeough. Dept. 204, J. C. Serrano. Dept. 212, R. L. Rackley. Dept. 225, O. W. Edwards, Ruth M. Rojas. Dept. 235, Ruth K. McPhatter. Dept. 250, Viola M. Beard, Florence S. McDonald. Dept. 406, D. W. Carlson. Dept. 506, A. O. Allison. Dept. 603-4, M. J. Lawson.

POMONA

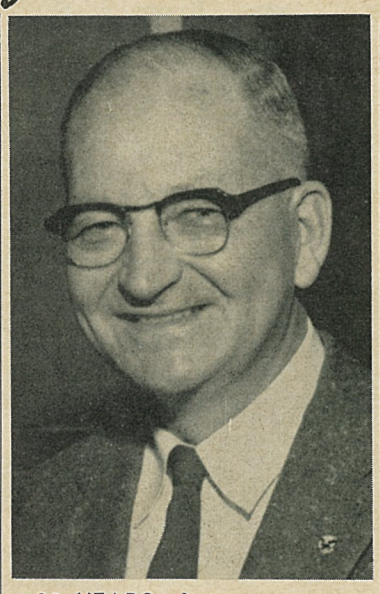
Five-year: Dept. 4-2, C. M. Sloan. Dept. 6, C. E. Allardt, M. S. Clark. Dept. 27-1, Paul Kirtland.

Deaths

SAN DIEGO

BLACK—Marie Louise, Dept. 303 (Lancaster). Killed in auto accident Feb. 14. Survived by son, mother.

KOEHLER—Charles E., Dept. 375. Died Feb. 16. Survived by wife.



30 YEARS—Latest to wear a 30-year pin at San Diego is Benjamin F. Kiegle of Dept. 102.

Births

SAN DIEGO

BISHOP—Son, Wayne Edwin, 8 lbs. 1 oz., born Jan. 26 to Mr. and Mrs. Jack Bishop, Dept. 340.

CHAVEZ—Daughter, 7 lbs. 5 oz., born Feb. 10 to Mr. and Mrs. Joe A. Chavez, Dept. 14-4.

GALSTON—Son, Stanley, 6 lbs. 11 oz., born Jan. 26 to Mr. and Mrs. Robert Galston, Dept. 101.

NUNEZ—Twin sons; Alan, 6 lbs. 10½ oz., Alex, 7 lbs. 1 oz., born Feb. 7 to Mr. and Mrs. Joe Nunez, Dept. 31.

PONCE—Daughter, Vickey, 8 lbs., born Feb. 2 to Mr. and Mrs. B. R. Ponce, Dept. 406.

RANDALL—Daughter, Joy Lunn, 9 lbs., born Jan. 21 to Mr. and Mrs. J. L. Randall, Dept. 28-1.

RIEDY—Daughter, Anne Louise, 7 lbs. 9 oz., born Nov. 15 to Mr. and Mrs. C. R. Riedy, Dept. 350.

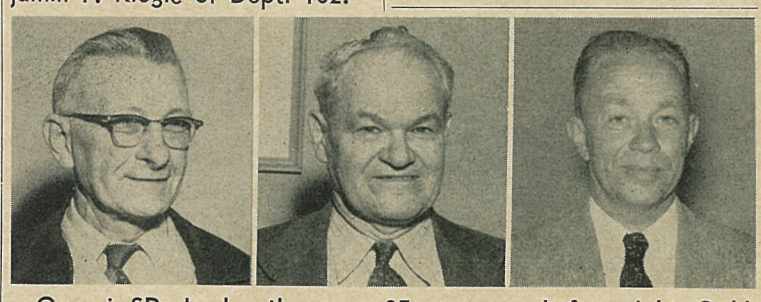
SALAZAR—Twins; son, Victor Ray, 6 lbs. 1 oz., daughter, Victoria Lea, 5 lbs. 15 oz., born Jan. 8 to Mr. and Mrs. Ted Salazar, Dept. 4.

SCHULTZ—Daughter, Sharon Louise, 8 lbs. 11 oz., born Feb. 7 to Mr. and Mrs. Clarence E. Schultz, Dept. 206.

POMONA

GERVASI—Daughter, Denise Marie, 7 lbs. 1 oz., born Jan. 18 to Mr. and Mrs. A. T. Gervasi, Dept. 42.

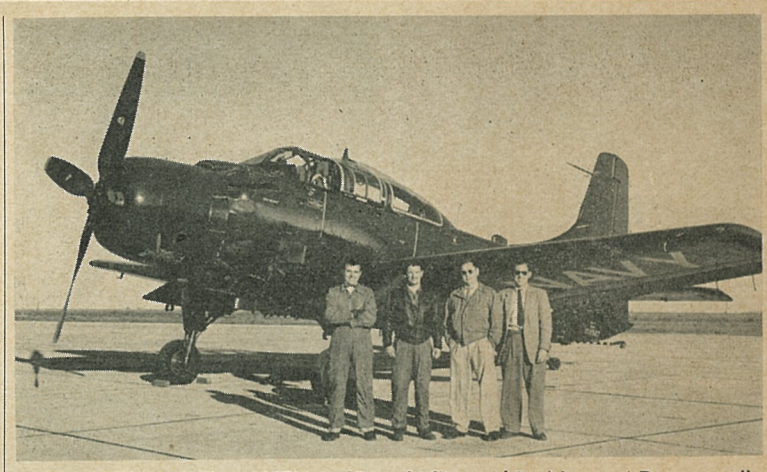
PIZZUTI—Son, Raymond Carmen, 8 lbs. 1 oz., born Feb. 2 to Mr. and Mrs. Olindo F. Pizzuti.



Convair SD also has three new 25-year men. Left to right: C. H. Englehardt of Dept. 24-1, A. J. Bergman of Dept. 31 and H. F. McEwan of Dept. 55. Below are new 15-year men at SD.

J. C. Risner, Dept. 30 — R. J. Connell, Dept. 24-1 — O. Q. Faucett, Dept. 401 — C. J. Johnson, Dept. 524-2 — D. M. Sullivan, Dept. 52 — R. T. Penfield, Dept. 6

L. P. Birse, Dept. 28-6 — W. G. Fisher, Dept. 31 — D. D. Strange, Dept. 6 — G. C. King, Dept. 6 — L. V. Clements, Dept. 6 — C. B. King Jr., Dept. 6



CHASERS—When XFY-1 (Pogo) flies, this Navy AD-5 usually provides aerial escort as "chase plane." Left to right: J. W. Knebel and B. J. Long of experimental flight with Bill Carter and Bob Hermann of Convair SD photographic laboratory who went along recently to get some air shots.

Convair Sons to Benefit In Scholarship Program

(Continued from Page 1)

tions and security.

Winners are free to select any fully accredited college or university to pursue the standard course leading to a bachelor's degree with a major in engineering or an allied science, providing it does not exceed five years.

Convair sets no obligation on the scholarship winners. The recipient is not bound to work for Convair nor to perform any work or service. On the other hand, the company hopes that many scholarship winners will consider employment after completion of their studies, but does not undertake to offer employment either before or after graduation.

Further information about the program may be obtained from training supervisors at San Diego, Fort Worth, Pomona and Daingerfield.

Convair also supports several other scholarship programs including:

A graduate award program for outstanding college students interested in additional studies in engineering or an allied science with an intention of entering industry upon completion of their studies;

Nine scholarships each year (a maximum of 36 at any one time) at San Diego State College in the field of business administration or engineering.

A cooperative training arrangement with State in which engineers divide time between classes and work at Convair.

Convair SD Management Club also awards scholarships each year to high school seniors. This year the awards are for $1,000, $500, and $250.

SD Men Serve Red Cross Drive

(Continued from Page 1)

LeFevre (Dept. 1-15), G. J. Gonlag (Dept. 1-25) and W. W. Lynt (Dept. 6).

As has been customary since creation of the Convair Employees Con-Trib-Club there will be no plantwide solicitation, but members of the Con-Trib committee this week are considering the 1955 pledge. The club gave $24,840 in 1953 and $36,000 in 1954.

The county Red Cross goal is $450,555 this year. However, because of the heavy service population, the Red Cross expects to spend more than twice this sum ($1,111,744) in the county during 1955. (The difference will be forthcoming from other parts of the country.)

Although there are many varied activities involved, the basic Red Cross responsibilities are for disaster relief and assistance to service men and their families. In the latter field, the Red Cross attempts to compensate the serviceman for the hardships of a transient life. (For example, a year's residence in the county and three years in the state is a prerequisite for county welfare help. Therefore, few servicemen can qualify.)

Services to the Armed Forces include emergency financial and other aid to servicemen and their families; Gray Lady and other volunteer assistance for hospitalized servicemen; welfare and recreation service on military bases for fighting men, most of whom are far from their homes.

Disaster services include disaster preparedness, first aid training program, water safety training program, Nurse's Aides, etc.

Red Cross activities are carried on chiefly by volunteer help. There are 200 volunteer workers for every paid worker.

Lost-Found Articles Accumulate at SD

Have you lost a Firestone service emblem lately?

If you have, lost and found at Plant 1, Convair SD, would be glad to have you claim it.

Also waiting for their owners are wallets, key rings, a Ronson cigarette lighter, gold locket, identification bracelet, diamond wedding ring, finger rings and many lone ear rings.

A man's wrist watch and several pairs of prescription glasses head the list of articles being held at Plant 2.

You will find lost and found in the employee service section, Bldg. 32, Plant 1, ext. 1245. At Plant 2, it is located at the south end of Bldg. 4, ground floor, ext. 508.

★ ★ ★ Awards ★ ★ ★

SAN DIEGO

Employee Suggestion awards totaled $658.50 for the weeks ending Jan. 27 and Feb. 3:

Dept. 6, Engineering: R. W. Even, $37.50 (final payment); E. P. Simmonds and T. T. Witkowski, $20.

Dept. 9, Controller's: S. W. Lumnitzer, $5; N. G. Nelson, $5.

Dept. 11-2, Contracts: A. D. Bush, $10.

Dept. 14, Shipping & Material Stores: D. R. Haher, $87.50.

Dept. 25, Plant Engineering: E. C. Gear, $10; S. H. Lester, $20.50; N. D. McFarland, $5; L. J. Wood, $46.

Dept. 28, Inspection: R. B. Ensminger, $15.

Dept. 31, Experimental: C. H. Staup, $35.

Dept. 37, C131B Final Assembly: C. S. Johnson, $10.

Dept. 46, R3Y Final: E. J. Price, $10; F. D. Talbot, $5.

Dept. 52, 340 Wing: W. R. Lucore, $5.

Dept. 56, 340 Primary: G. W. Smith, $14.

Dept. 115, Machine Shop: V. E. Hoagland, $100 (partial payment).

Dept. 203, Welding: J. R. Lindblom, $5; E. Thies, $10.

Dept. 212, T-29 Fuselage: G. E. Berry, $10.

Dept. 258, Proofing Mock-up, Plant 2: R. H. Bertram, $10; C. E. Giveans Jr., $10; W. H. McLean, $10.

Dept. 350, Proofing Mock-up, Plant 1: E. M. Gooley, $10.

Dept. 375, Electronics: J. D. Willingham, $10.

Dept. 410, Purchasing: M. F. Caetano, $5.

Dept. 522, Manufacturing Control: W. W. Kenney, $10; C. C. Maupin, $10.

Dept. 524, Tooling: A. Droden, $15; S. H. Flanagan, $10; R. F. Winchester, $10.

Dept. 528, Inspection: W. C. Bowen, $10; E. H. Lawton, $24.50.

Dept. 603, Tool Manufacturing: J. Byers, $12.50; W. E. Nuckles, $36.

POMONA

Employee suggestion awards for the period ending Feb. 4 totaled $137:

Dept. 6: P. D. Galloway, $80. G. C. Tiedemann, $10.

Dept. 22: E. L. Grady, $10.

Dept. 25: W. E. Edwards, $13.

Dept. 72: G. H. Rodgers, Jr., $24.

Cost improvement proposals for the same period were:

Dept. 6: J. C. Knight and H. F. Benson.

Dept. 14: P. A. Kalashian.

Dept. 22: R. D. Liles.

Dept. 25: W. C. Magnuson; M. L. Smith.

Promotions

SAN DIEGO

Transfers to or within supervision effective Feb. 7:

Dept. 6, Engineering: To chief of test lab, R. S. Campbell.

Dept. 25, Plant Engineering: To senior plant engineer-construction, C. U. Giusti. To asst. foreman, D. C. Hoag.

Dept. 115, Machine Shop: To asst. foreman, M. L. Barksdale.

Dept. 303-6, Model 8 Flight Test Operations: To M/C asst. foreman, C. H. Fontaine.

POMONA

Dept. 6, Engineering: To staff engineer, W. H. Mollering.

Personals

POMONA

I am sincerely grateful to the many friends at Convair for their expressions of sympathy and floral tributes at the loss of my mother.

Gene Wiernicz

HEART ATTACK FATAL

Funeral service for James A. Smith of Dept. 51 at Convair Pomona was conducted Feb. 16 in Ontario. He had been with Convair only a few months.

McNarney Awards First of New Series of Trophies at Pomona

(Continued from Page 1)

from proposals still being processed. Of this amount, proposals submitted by Marker accounted for $30,604, or 21.4 per cent. He submitted 20 proposals during 1954. Investigation is still under way on 10 of them. Of the others, however, four were accepted.

"Of the 262 CIPs received last year, eight per cent were Marker's," the general continued. "And of all approved, his four represented 21 per cent . . . This is truly an amazing contribution . . . His should be an example for all to follow."

The general reported that of the 267 eligible to participate in CIP at Pomona, only 96—or less than 36 per cent—took part in 1954.

"This is pretty good—for a beginning," he added.

Turning to the field of Convair business generally, the president spoke graphically of the intense competitive picture and said:

"In guided missiles the competition is no less tough than in aircraft . . . Here at Pomona we build a surface-to-air weapon, and while it has the distinction of being the only missile designed for ship-board launching, this in itself is scant protection from the competition. Furthermore, if we hope to branch out from our present programs, we will again have to branch out into territory which is already occupied by some of our competitors . . .

"We can only beat them (our competitors) if we give the customer a better product at less cost. If we don't do this, you and I are out of business. It's that simple. Cost improvement is that important . . . "

The general left no doubt, however, as to his opinion of Pomona's present product.

"In my opinion we now have in the Terrier the nation's first truly operational surface-to-air missile—a missile which is far superior in performance to any similar weapon ever built . . ." he said.

In addition to the plaque, Marker received an individual gift from the company of his own selection, an elaborate home movie outfit.

Pomona Engineer Talks on Missiles

A talk on "Electronic Research and Development in Missiles" was presented at the Los Angeles Chamber of Commerce electronics "Press Day" late last month by M. V. Kiebert, assistant to the chief engineer at Convair Pomona.

Kiebert, who noted that missiles are composed of "a brain, a frame and a flame," also emphasized the impact that electronic research and development has had on the American economy.

★ Convairiety ★

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SD Editorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.

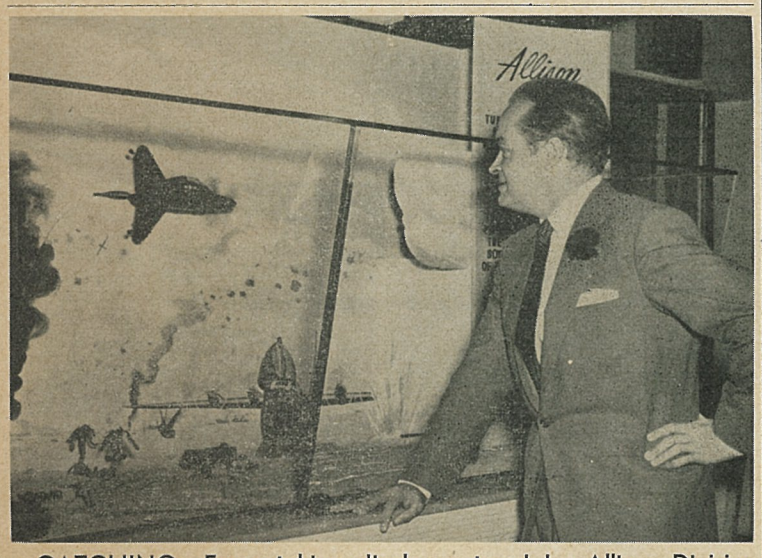
No Need to Wait For 60-Passenger Convair! REAL Already Has One

A 60-passenger Convair-Liner is already an accomplished fact.

Dudley E. Long, field service engineer assigned to REAL, the Brazilian airline, reported that on a recent flight he counted 60 passengers aboard a model 340. There were 44 adults and 16 babies!

Since Convair service was inaugurated Dec. 14, 1954, load factors have averaged 96 per cent, Long reported.

Long said that the press of holiday air travel caused REAL to utilize every available aircraft around Christmastime. On Dec. 24 REAL carried 5,609 passengers in and out of Sao Paulo!



CATCHING—Eye-catching display entered by Allison Division in 1955 General Motors Motorama depicts Convair XFY-1 and R3Y in action. Both are powered by Allison turboprops. Bob Hope, shown looking it over, was among spectators. Display is traveling across country.

New Quarters For 102 Tests Planned by AF

Construction of new quarters for Convair personnel on the F-102 project will start soon at Edwards Air Force Base.

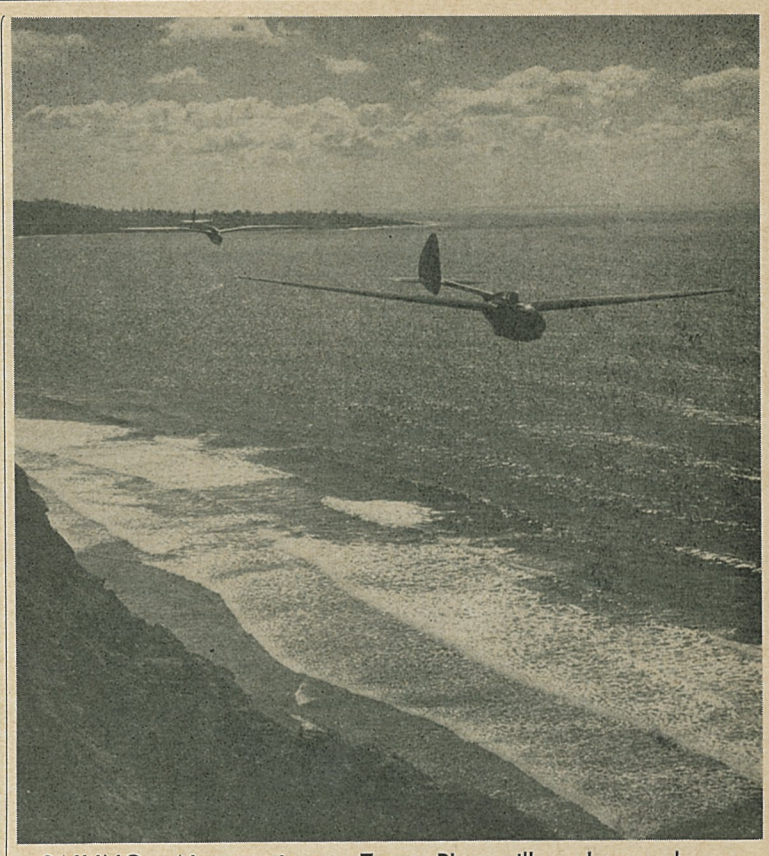
The new facility, which will be located several miles distant from present Convair quarters, will be a $2,500,000 Air Force project. Convair will use about 44,000 square feet of hangar space and will share the facility with Douglas personnel.

B. F. Coggan, Convair SD manager, said construction is expected to be complete in about six months, at which time Convair will have approximately 400 persons assigned there.

The "Convair colony" at Edwards is engaged in the engineering flight test program for the supersonic F-102 interceptor.

Employment Rise In Industry Noted

Employment in the aircraft industry climbed 1,300 between October and November of 1954, Bureau of Labor Statistics indicate, the major increase being in production workers. November data gives a total payroll of 790,000, of which 495,700 were in airframe, 158,300 in engines, 16,600 in propellers and 119,400 in other aircraft parts and equipment.



SAILING—Air currents near Torrey Pines will produce such scenes this Saturday and Sunday when annual Pacific Coast Midwinter Soaring Championships are held, with Convair SD men taking a leading role. Photo by Ed Sievers.

Big Weekend Ahead For Sailplane & Model Fans

Airminded spectators at Convair San Diego have two major events to look forward to this week.

One is the Ninth Annual Pacific Coast Midwinter Soaring Championships at Torrey Pines, Saturday and Sunday, Feb. 26 and 27.

The other is the CRA Aeromodelers' second annual Scale Model Contest, Sunday, Feb. 27, at Aeromodelers Field on Kearney Mesa.

Convair SD enthusiasts will have leading roles in both events. Scale model judging will be held Saturday evening, Feb. 26, in CRA Clubhouse followed by flights the following morning, starting at 8 a.m. CRA Commissioner Jim Saftig pointed out that spectators may attend the model meet in the morning Sunday and still be able to see most of the Torrey Pines action in the afternoon.

D. J. Mancuso of Dept. 6 will be chairman of the Torrey Pines meet this year. Sterling Starr, also Dept. 6, is president of the San Diego Associated Glider Clubs which is co-sponsoring the event with the Junior Chamber of Commerce.

Convair pilots who will be competing for the John J. Montgomery Trophy include Gene Whigham, Ted Sanford, George Tweed, and Ernie Shattuck.

Events on the agenda for the sailplane pilots will include bomb drop, spot landing, altitude, duration, distance and acrobatics. Continuous competition is slated for both days, beginning about 10 a.m. and lasting until 5 p.m. There is no admission fee, but a small charge for parking.

Bill Ivans, Convair SD chief electronics engineer and a director of the Soaring Society of America, arranged official sanction for the meet.

Military Equipment Topic for IAS Meet

"The Evaluation of Military Equipment" will be the principal topic of discussion when the San Diego Section, Institute of the Aeronautical Sciences, meets at 6:30 p.m. tomorrow (Feb. 24) at the IAS Building, Harbor Drive.

Dr. Royal Weller, chief scientist at the Navy's Air Missile Test Center, Point Mugu, California, will be the speaker.

Con-Trib Stickers And Cards Available

Window stickers and cards proclaiming Con-Trib-Club membership are available at employee service at both plants in San Diego for those who might have been overlooked when they were distributed to club members recently.

The stickers will be of value for posting on home windows so that door to door fund raisers will know that occupants have already contributed.

Waldo Chairman for Helicopter Forum

Richard K. Waldo, Convair's manager of market research for sales, has been named chairman of the committee planning the 11th annual American Helicopter Forum. The Forum will be held April 27-30 at the Mayflower Hotel, Washington, D. C.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

★ ★ ★

XC-99 is being modified to carry same power plants as those in B-36s.

* * *

Convair announces it is modifying a Convair-Liner model 240 for Allison division of General Motors to carry Allison turboprop engines.

* * *

Ben F. Kiegle of SD's Dept. 102 receives 25-year pin from President LaMotte T. Cohu.

* * *

Osborne C. Wood, a dispatcher at SD and son of the late Maj. Gen. Leonard Wood, one-time Army chief of staff, dies.

* * *

ES and CIP programs at San Diego suspended.

* * *

FAMA's third model 240 delivered to Buenos Aires by pilots Bill Harwell and W. D. Carrier Jr.

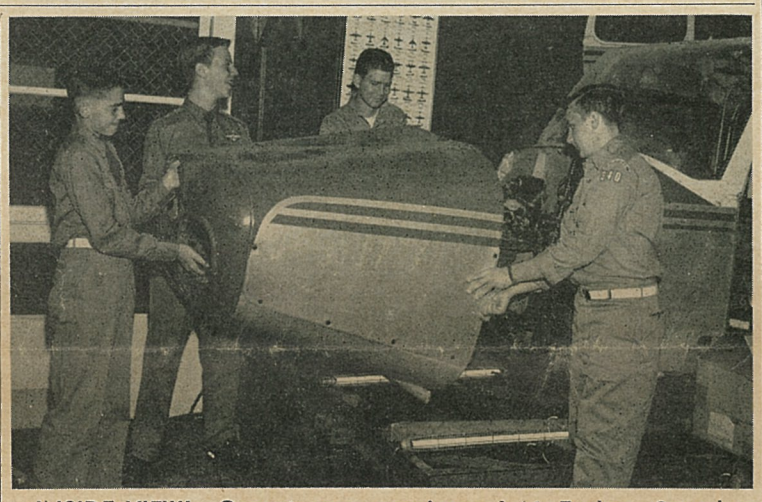
* * *

Ray Kendall and Bill Scott of Dept. 27 SD, win San Diego Recreation Council horseshoe pitching championship.

* * *

E. Damico and A. Wenzel of Convair FW win class "B" doubles in Fort Worth city bowling championship.

FROM THE BLUE — Cecile Holstein of Dept. 101 at San Diego was drilling when suddenly one lens of her safety glasses cracked. No one knows from whence came the fragment that broke them. It might have been from a nearby drop hammer or band saw. At any rate, safety glasses scored again.



INSIDE VIEW—Convair sons, members of Air Explorer Squadron 340 at San Diego, shown with airplane they are rebuilding. Left to right: Tommy Charles, Bill Shafer, Bill Rymer, Jack Hawthorne.

Convair Sons, Air Explorers at SD, Rehabilitate Ground-Looped Ship

Convair sons at San Diego are learning airplanes "inside out" in a project launched through the combined efforts of SD employees and Convair.

Air Explorer Squadron 340, sponsored by the Convair SD Management Club and composed of sons of employees 14 and over, is handling the work load in rebuilding a four-place Luscombe sedan. The airplane belongs to Al Ney of engineering who is also providing design data for changes and materials for the job. Seven Convair SD employees are advisors for the group. Convair is making available the necessary power tools and CRA and Management Club are furnishing the building.

"The entire program is aimed at giving the Air Explorers an inside view of the working parts of an airplane," said Andy Drollinger (Dept. 6), advisor for Squadron 340.

Drollinger is being assisted in the project by assistant advisors Randolph Wilkins of Dept. 31, Don Dryer, Bud L'Herueux, Harold Langer, Gordon Brickson and Leon Cooley, all of engineering.

Ney purchased the airplane from the old Convair Flying Club after the plane was ground looped, damaging the landing gear, fuselage and wing tips. He turned it over to the Air Explorers after they indicated the need for a squadron work project.

Several design changes will be incorporated in the airplane, including the installation of a tricycle landing gear in place of a conventional gear and the addition of newer type instruments.

The entire project is expected to take from six to nine months with the Air Explorers working each Tuesday night after their regular meetings which start at 7:30 at their headquarters on Harbor Drive.

Once completed, the airplane will be used by Ney for Civil Air Patrol work and various Squadron functions of the Air Explorers.

Squadron 340 is open to all sons of Convair SD employees who are 14 years of age or over. Further information about the group is available from Drollinger at ext. 1501, station 4, Plant 1 or Bob Kemper, ext. 569, Plant 2.

SPEED CONTROL BY RADAR DISCUSSED

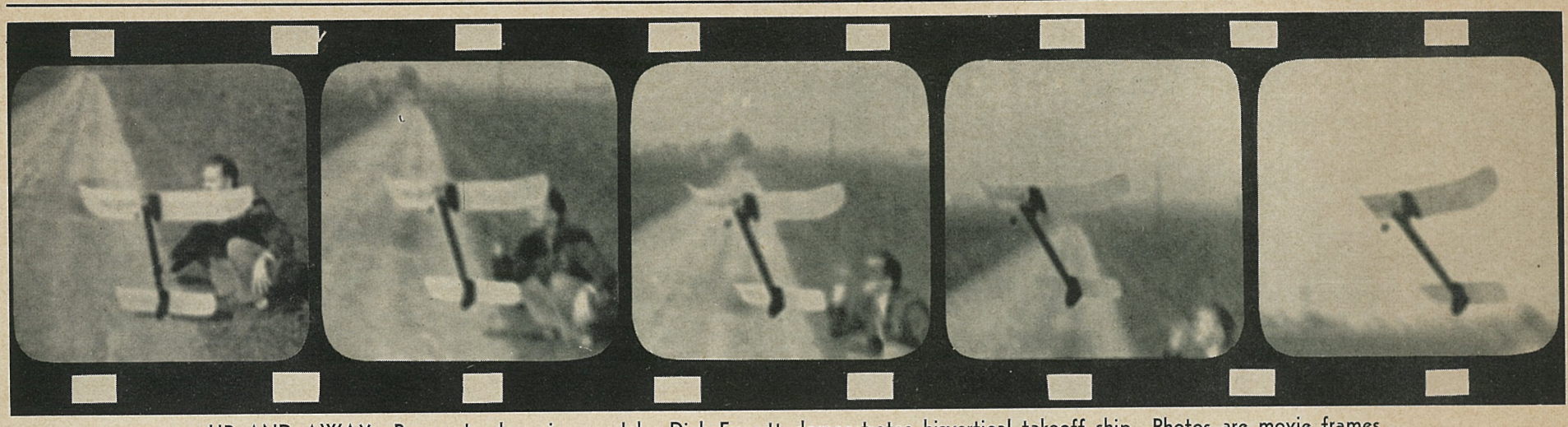
Radar speed control was the topic of discussion this month when Convair Fort Worth traffic department supervision and drivers heard a talk by Sgt. L. E. Wood of the Fort Worth police department.

Sgt. Wood talked on the new radar speed check system now in operation in Fort Worth and Tarrant County.

He reminded them that drivers of trucks and automobiles bearing the name of Convair will either make a good or bad impression on the public—depending on how courteous they are and how well they obey traffic rules.

Sgt. Wood pointed out that drivers are faced with bad weather conditions during winter, and more care must be used at this time.

FLYING MODELS—There will be many such scenes as this Sunday when CRA Aeromodelers hold annual scale model meet at Kearney Mesa. Shown are G. G. Witt of Dept. 6 and Carole Mooney, wife of Walter Mooney, Aeromodelers secretary.



UP AND AWAY—Pomona's champion modeler Dick Everett demonstrates hisvertical takeoff ship. Photos are movie frames.

Sweepstakes Winner

Convair Artist Turns to Rocks And Spider Webs for Subjects

A spider web . . . the nests of dirt daubers . . . and a pile of rock fossils. . . .

These may seem unlikely objects to inspire an artist. But inspirations they are, nevertheless, for David Brownlow.

Brownlow, a 39-year-old third shift mechanic in Convair Fort Worth's engineering test lab, is becoming one of Fort Worth's better known artists. In a recent exhibit at the Public Library, he won the sweepstakes prize for his painting "Fossils."

Judging was on basis of spectators' comments. And Brownlow's modern paintings received more favorable comment than the rest of the exhibit combined, according to officials of the event.

Brownlow's work is difficult to describe. It must be seen to be appreciated. But it amounts to what Brownlow calls "reducing nature to a geometric pattern."

This geometric pattern is clearly visible in his work. The straight lines are either vertical or horizontal and sometimes form squares.

The line pattern is more or less superimposed on the subject of the painting. In the recent prize winner—Fossils—the shapes of the rocks and shells were plainly seen.

Brownlow uses just about every color on the artists' pallet, but the painting usually ends up in subdued tones. Close examination shows tiny flecks of many different colors which Brownlow calls "controlled spatter."

Brownlow has many prize winning paintings to his credit. He has won several prizes in Fort Worth shows, and last year sold one to the Newhouse Fund. This painting—"Webs"—is now on exhibit at the Ridglea Country Club, Fort Worth's newest and one of the nation's most elaborate clubs.

His paintings are abstract—yet even a novice can identify the subject.

Brownlow's talent is one that he can't explain. He's always been interested in art.

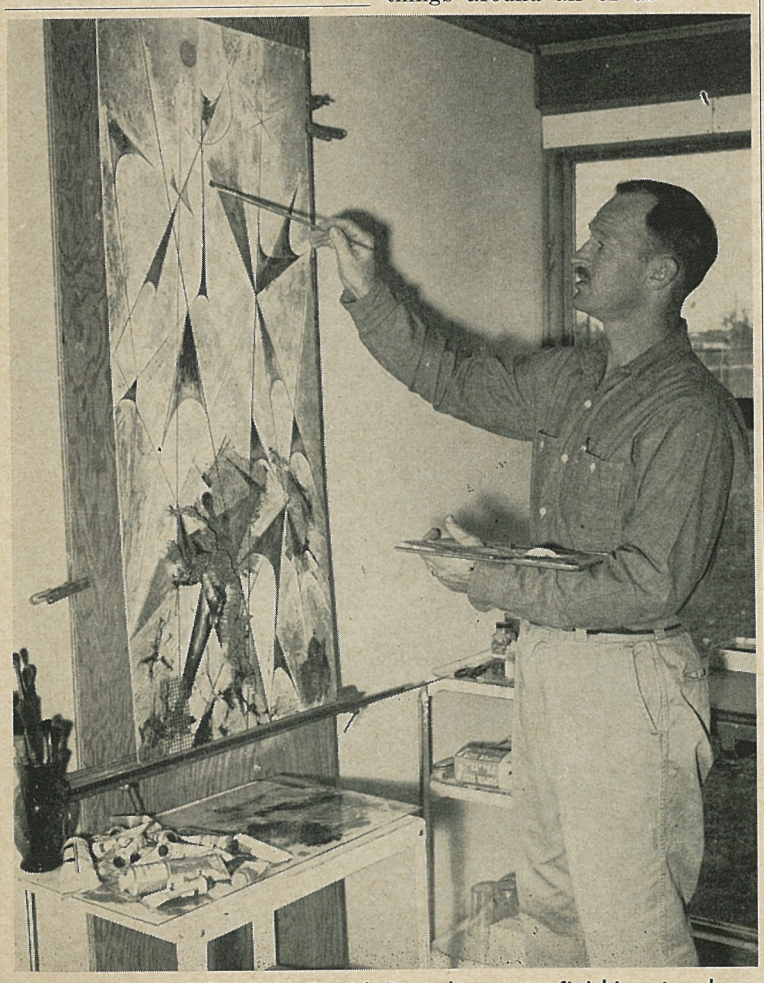
"All children go through a phase when they're interested in drawing," he said. "Eventually most of them outgrow it. I never did."

He's never had an art course nor taken a lesson. What he knows he's gleaned from books and trial and error.

One of the paintings he's working on now is inspired by a friendly spider who built a web in the window of his studio behind his home in Westland.

"There's a lot of beauty in the tensile lines of a spider's web.

"I guess I'll never run out of subjects," he added. "There's so much beauty in the common things around all of us."

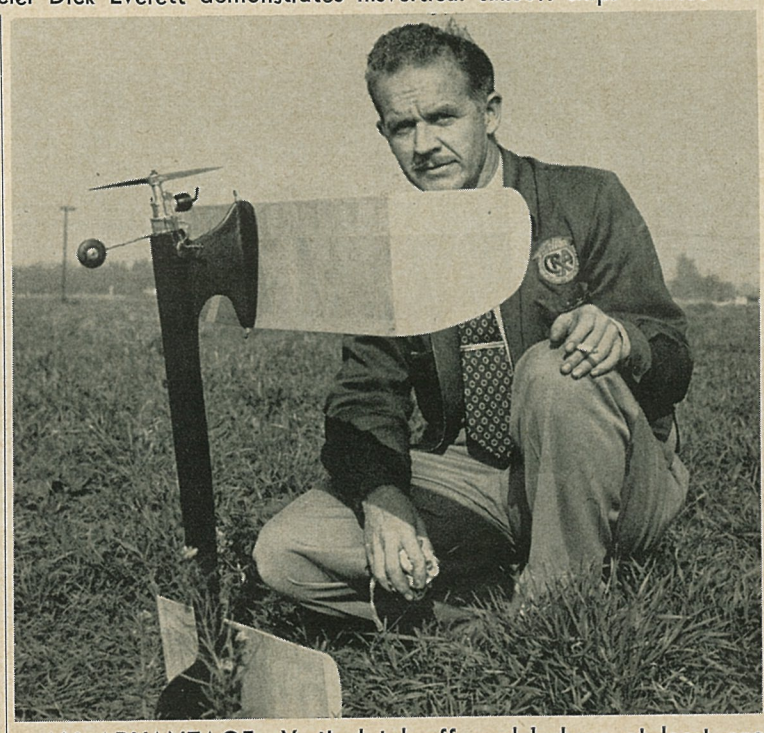


FINISHING TOUCH—David Brownlow puts finishing touch on his newest painting. Done in yellows, browns and with a white background the unusual abstract painting has pieces of metal superimposed on it.

Research Engineer To Talk in Seattle

Glen E. Ghormley, research engineer in the reliability section of quality control at Convair Pomona, is scheduled to deliver a technical report at the second Western Regional Conference of the American Society for Quality Control.

Title of Ghormley's report will be "Factorial Experiments Can Be Practical for Quality Control," and will deal with research in vacuum tubes. The conference will be held March 17-18-19 in Seattle, Wash.



AN ADVANTAGE—Vertical takeoff models have at least one advantage over conventional type, says Dick Everett of Pomona. They don't need heavy landing gear. Note single wheel.

Pogo Gets 'Competition' As VTO Model Developed

Convair Pomona's Dick Everett has done it again.

This time Everett, who is Pomona's nationally known CRA Model Club commissioner, has come up with a successful vertical takeoff model plane. While it doesn't look much like Convair XFY-1 (vertical takeoff) which has attracted world-wide attention recently, Everett's model actually takes off from a vertical tail stand position and rapidly makes the transition to horizontal flight.

"My model won't land like the Pogo—I either catch it before landing or it glides in and lands on its single wheel—but I've been turning over plans in my mind for a model that will," Everett said.

The present model, which Everett calls the "El V-T-Ojo," is designed for free flight and the flight pattern is more or less determined by a pre-setting of the controls. The theoretical model that would both take off and land vertically would be of the "U-Control" variety, and, as the name implies, would be controlled in flight by means of control lines attached to the plane and manipulated by the flier.

Actually there is good reason for developing a vertical takeoff model to be used in competition. A reduction of the takeoff time usually means more time in the air, and duration of flight is the basis on which contests are judged. Also, the VTO principle eliminates the necessity for heavier, more complicated landing gear. The single wheel Everett uses, while sufficient for a landing, could cause trouble on a conventional takeoff.

Vertical takeoff is not a new thought for Everett. He doesn't claim credit for the idea, but he did try to use it in model contests several years ago. He was refused permission until the recent publicity on Convair's XFY-1.

"Whenever I approached a contest official with the VTO idea, I would usually get a horse laugh in addition to flat refusal," Everett said. "The usual reaction was: 'Whoever heard of an airplane taking off in that manner?' But after the Pogo was announced I had an answer for them."

Everett has long been one of the leading lights in the model airplane world. He has won several national and international titles, and has won so many other contests that he lost count of them several years ago.

Although the "El V-T-Ojo" only slightly resembles a real airplane in outward appearance, it actually is only slightly different from a conventional free-flight model. The only difference in the fuselage is the addition of three small dowels to the tail section to serve as launching gear.

But the real difference is in the power plant. Here Everett uses a diesel engine—the "El V-T-Ojo's" engine has .099 cu. in. displacement—which has a better displacement to horsepower ratio than conventional glow plug engines. In other words, it's more powerful.

This enables Everett to use a larger prop, which provides the additional thrust necessary to overcome gravity until the plane is airborne and the wings start assisting with lift.

It may be some time before Everett gets around to working on his "U-Control" VTO model. He became a father again last week—his third child and first daughter.

"My interests—and spare time—will be spent elsewhere, at least for the next several weeks," he grinned.

It All Depends Upon Which Way You're Going

There was quite a difference in the ground speed of two model 340s that passed each other recently, according to a report from H. I. Morgan, field service engineer.

American Can's 340 was westbound, averaging about 196 mph. Union Carbide was eastbound, averaging around 380 mph. Obviously, there was one heck of a westerly wind blowing.

County Honors Convair Man as Fire Volunteer

Fire fighting is a 24-hour job for C. W. Flowers of Convair Fort Worth.

In addition to his regular duties as a fireman at Convair, Flowers is also fire chief of the volunteer department in White Settlement.

That's one of the reasons he was named "Fireman of the Month" by the Tarrant County Volunteer Fire Fighters Association this month.

He was also named outstanding fireman because of his leadership within his own department and for his part in planning the association's annual training school at White Settlement last year.

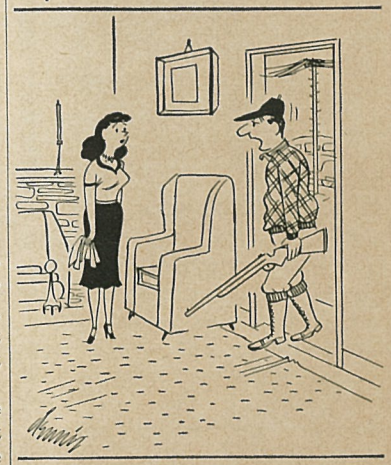
He was selected by a panel of association members from each of the 28 community volunteer departments.

The trophy, a miniature fireman's helmet in bronze, engraved with his name, was the first monthly trophy presented by the volunteers.

Mason Lankford, president of the association and a process control department employee at Convair, said the award is based on work with the department, interest and attendance.

State Senator Willis presented the award to Flowers at a meeting of the group at Benbrook Fire Hall.

TOPS—C. W. Flowers, Convair Fort Worth fireman, shown with miniature bronze fire hat which signifies his selection as "fireman of month" by Tarrant County Volunteer Fire Fighters Association. In addition to helping guard Convair FW, Flowers is chief of White Settlement Fire Department.



"No Dear—No Deer."

Offtime Acts

Magic Tricks Cheer Children

Three Convair Fort Worth employees are making Christmas a year-round proposition.

They're Nolan Manly, Dept. 3, James Ratcliff, Dept. 6 and W. C. Stubblefield, Dept. 91.

The trio are members of the Fort Worth Magic Club, as well as state and international organizations.

Last year after some of the Fort Worth group did magic shows for local children's hospitals, during Christmas, they reasoned:

"Why just at Christmas time?"

The Convair group was the first to try out the idea. They went to the polio ward at John Peter Smith Hospital. (Much of the equipment in the polio ward was bought with donations from Convair FW Employees Con-Trib-Club, Inc.)

The patients loved it. Since then, other Fort Worth magicians have been to many of the United Fund sponsored organizations in Fort Worth.

Their good-will appearances give them a chance to keep in good form and try out new tricks.

It also provides entertainment for people who ordinarily could not afford to hire a professional entertainer.

All three of Convair's magicians are professional in every sense of the word.

Stubblefield, known professionally as "Stubby the Clown," won the Al Sharpe trophy—the Texas "Oscar" for magicians—in 1953. It was the high point of more than 35 years of practice and performances.

His act is the only one of its kind. He is a juggler and magician—and all in pantomime.

Originality is Stubby's keynote. He works up his own tricks.

Ratcliff has practiced his magic all over Europe — in the U.S. Army.

He studied under Blackstone, one of the world's most famous magicians.

Some of his work has been in hospitals before. When he was recuperating in hospitals in England and Texas after the war, he helped others learn tricks and did many shows for them.

"Magic has good therapeutic values," said Ratcliff.

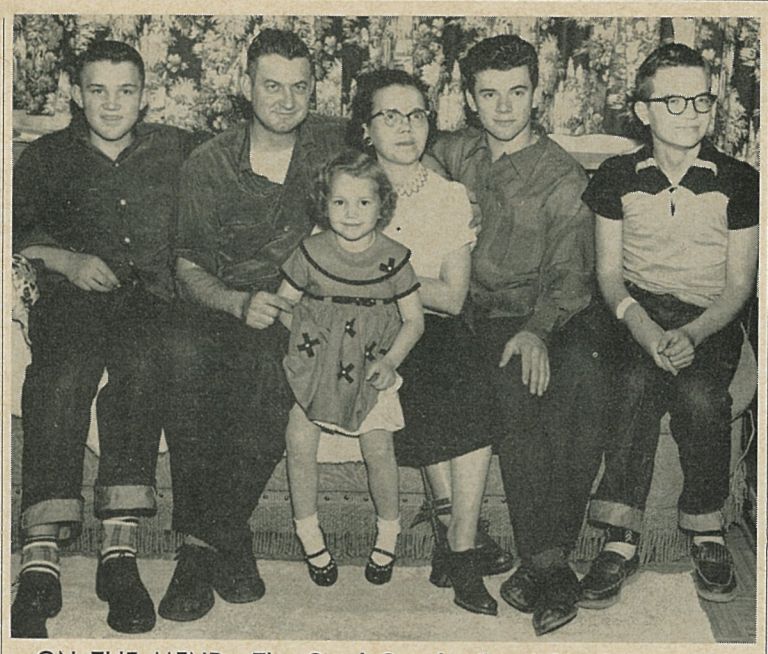
"Since many tricks involve hand manipulation, it gives a person some of the exercise needed."

Manly is known professionally as "Mann Lee the Magician."

He studied under Brandino while a student at University of Tennessee and with Jahn the Magic Man in Miami.

Manly feels that the trend is toward close-up, sleight of hand, less illusion and more skill.

"Television and club and theater work have been the main things that have changed magic presentations in the last few years," said Manly. "Most of it requires more close-up work."



ON THE MEND—The Orval Cox family of San Diego, victims of auto crash last August, pose for first picture since accident. Left to right: George, Orval Sr., Leanne, Mrs. Cox, Orval Jr., Steven.

Family of Six, All Hurt in Crash, Home After Long Hospital Siege

After six months of such misery and travail as few families ever have to face—outside of a war zone—the Orval Cox family is home and on the mend.

Since August of last year when, vacation bound, their auto crashed headon with another car near Valentine, Neb., Cox, his wife and four children have spent more than their fair share of time in hospitals. All were injured in the accident, to varying degrees, with Mrs. Cox the most serious.

Cox, a member of Dept. 403 at San Diego, told his recollections of the accident this week. It was during the early forenoon of Aug. 8. Orval Jr., 18, was at the wheel of the family sedan. With him in front were Steven, 16, and George 14, while Mr. and Mrs. Cox were in the back with four-year-old Leanne.

"I remember Leanne was doing a map puzzle and talking to herself, and my wife and I were laughing at her," Cox recalled. "I saw the car coming toward us, weaving from side to side, and I remember advising Orval to get as far to the right as he safely could. He got as far over as he dared, without diving into a deep ditch. . . . But he couldn't avoid the other car. . . . "

The family was bound for Sioux City, Iowa, for a visit with relatives. But their next stop turned out to be the Valentine, Neb., hospital. They stayed in this community for seven weeks as first one and then another recovered sufficiently to be released. Mrs. Cox was the last to leave the hospital bed. From there they went on to Sioux City where Mrs. Cox, Steven and George received further treatment and on to Chicago for still more treatment by specialists. It was a long and painful siege.

Meanwhile, Convair friends were doing what they could to help from a distance. Dept. 403 sent gifts and letters of sympathy and encouragement. B. F. Coggan, SD manager, thanked the mayor of Valentine for the manner in which that community's citizens had taken the Convair people into their homes, even volunteering as nurses. Con-Trib-Club set aside funds to assist the family and got in touch with hospitals and doctors prior to their many moves, to insure prompt and thorough treatment.

The family arrived back in San Diego just after the first of the year. Their home is a large and commodious trailer parked in a court in El Cajon.

The children are all back in school and Cox is back on the job.

To the many people of Convair "who aided us during our near-tragedy," the Cox family had this to say this week:

"Your messages of kindness and concern, and your prayers helped us through those long months . . . and the generous financial aid helped us immeasurably with our hospital and surgical bills and more than five months of lost working time.

"The wonderful people of Convair have given us faith in humanity and renewed faith in God that has sustained us, and will sustain us as long as we live. We will never be able to say a big enough 'Thank You.'"

Convair Delegation At Recreation Meet

A Convair San Diego CRA delegation last week attended a joint meeting of the California Recreation Society and the National Industrial Recreation Association which drew 1,300 delegates to Santa Cruz, Calif.

CRA President Gil Crosthwaite, J. K. Field, chief of employee service; Jerry Schultz of CRA, and Ed Feeney of Davidson Bros. (operators of plant vending machines from which CRA obtains its primary revenue) served on a question and answer panel, explaining for other delegates the operation of CRA at San Diego.

Feeble Voice Pleading For Help Leads to Long Phone Hunt at SD

A faint voice over a telephone, asking for help, recently brought three quarters of an hour of feverish activity to the Convair San Diego switchboard.

But the result was worth it. Rescuers were guided to a 71-year-old invalid, alone and helpless on the floor beside her wheelchair.

"I need help. Call my daughter . . .," the feeble voice asked Operator Ruth Beckner. She turned the call over to Convair SD's longtime chief operator, Mattie Ross.

"I've fallen and can't get up. I'm in pain . . . call my daughter. She works for Convair . . .," the faint voice continued.

With the foresight of long experience, Mrs. Ross cautioned the caller not to hang up. On another line she checked the daughter's name to Bernice O'Connell, in charge of SD employment records, whose high speed ability to locate "lost persons" among Convair's thousands seems like magic to those who have called on her for help. But this time the magic failed. She tried all combinations of spellings for the daughter's name, but in vain.

"Try to get a maiden name, or an alias," she advised.

But the feeble voice over the phone could contribute nothing.

Confused and helpless, the elderly invalid did not know her own address. The number on the telephone she was using was only a blur to her failing eyes.

Meanwhile, Mrs. Ross and Miss O'Connell were thumbing telephone books and city directories, calling downtown information, trying Air Force and Navy offices at Convair and personnel at Rohr and Ryan, thinking that Convair had been confused with some other concern. No luck.

"Doc, we'll have to trace this call," Mrs. Ross advised Ellsworth (Doc) Hawley, Pacific Tel. and Tel. repairman assigned to Convair SD. "There's nothing else to do."

So, while Mrs. Ross chatted encouragingly over the phone to the tiring "voice," Hawley went to work.

"Just a few minutes longer and we'll get help for you," Mrs. Ross kept promising.

It was ticklish business, checking through the various exchanges, and complicated by the fact that the "voice" came from a party line, and an unlisted phone at that. But they found it, a home in Chula Vista. Mrs. Ross called Chula Vista police. She stayed on the phone until a new voice came on, that of a police officer, assuring her "everything is all right now."

Next day Mrs. Ross got a sequel from the police.

The 71-year-old invalid, an amputee, had tried to crawl from her bed to a wheelchair and fallen to the floor. She was alone in the house but managed to reach the telephone and pull it down, Mistakenly, she thought her daughter worked for Convair, when really she worked for the Immigration and Naturalization Service. How she made this mistake, no one seemed to know.

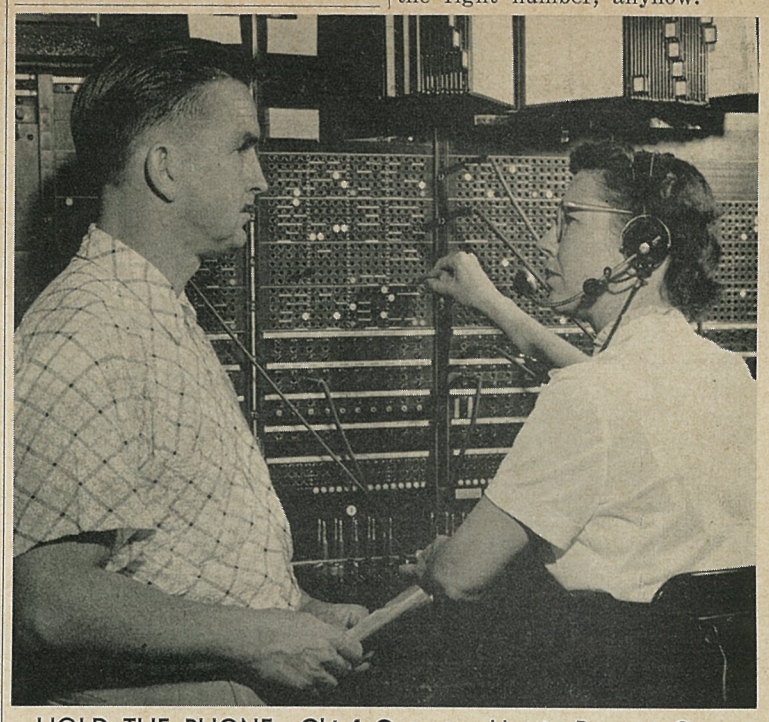
But as it turned out, she called the right number, anyhow.

Con-Trib Leaders to Attend Fund Meeting

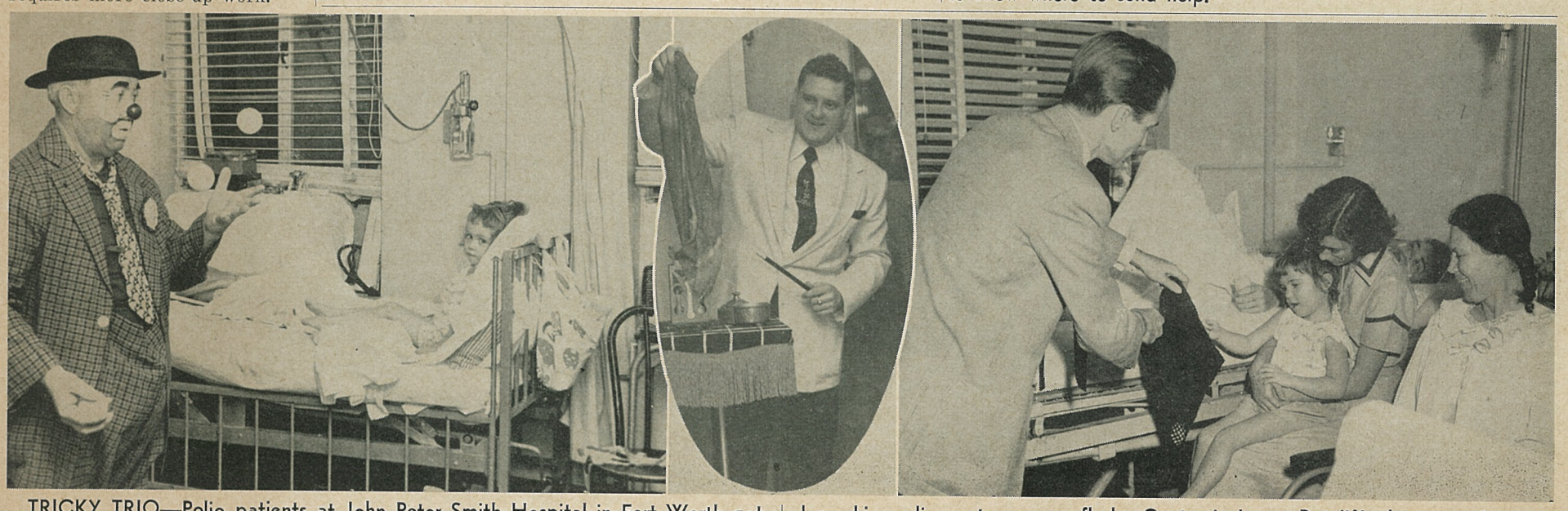
Convair Employees Con-Trib-Club, Inc., will be well represented at the annual United Fund dinner March 3 at Hotel Texas in Fort Worth.

Eleven members of the C-T-C board will have special places. And one member—M. L. Hicks, assistant manager and a United Fund vice president—will be at the head table.

New officers and United Fund trustees will be elected.



HOLD THE PHONE—Chief Operator Mattie Ross at Convair SD and phone company's E. L. Hawley reenact emergency. They were forced to trace a telephone call from elderly invalid in order to know where to send help.



TRICKY TRIO—Polio patients at John Peter Smith Hospital in Fort Worth got a surprise recently when visited by three Convair FW men who are top notch performers. It was almost as good as a circus. At left W. C. Stubblefield juggles, but loses his audience to camera flash. Center is James Ratcliff who amused youngsters with magic tricks, and at right is Nolan Manly making an egg disappear. All three are professionals.

PRACTICING—Two attractive Convair SD girls who will be among those modeling March 1 at the first CRA Fashion Show at Mission Valley Club show off their technique. They are Elizabeth Gerding of Dept. 1-71, left, and Wanda Rose of Dept. 403, pictured in the Lady Gay Shoppe of La Mesa whose frocks will be shown. Tickets went on sale Feb. 9 and were sold out a few days later.

Eagles and Solar to Play Tonight In Crucial Industrial Hoop Game

Convair's Eagles in the Industrial league are leading as they approach a crucial game with Solar tonight (Feb. 23). Solar downed the Eagles in an overtime period to cop the first half of loop play but Convair has gone undefeated in the second half, while Solar has dropped one game. A Convair victory tonight would force a play-off for the championship.

The City League team closed out the season last night (Feb. 22) with a game against the loop-leading Pepsi Cola five. The Convair five lost one other game to the Pepsi Colas while downing the Chula Vista Merchants, 41-33, and taking a 2-0 forfeit victory from Mutual Fire in other action. Roadmasters also stopped the CRA hoopsters by a 56-48 count.

In Tuesday shop league play Dept. 603 came through the first half undefeated and stands a good chance to wind up the second half March 8 with a perfect season slate.

Over in the Friday league, Dept. 522 blazed through five straight to win the first half and moved along without trouble in the first game of the second half.

A plant play-off for the Convair crown will match the winners of both leagues sometime in March.

★ ★ ★

SCHEDULE

TUESDAY

Date	Time	Teams
March 1	6:50	Dynamics vs. Tooling.
March 1	7:55	Parts Sales vs. Wing Section.
March 8	6:50	Tooling vs. Wing Section.

FRIDAY

Feb. 25	6:50	340 Wing vs. Mfg. Control.
Feb. 25	7:55	Serv. Pub. vs. Appr.
Feb. 25	9:00	Loft vs. Fuselage.
March 4	6:50	340 Wing vs. Loft.
March 4	7:55	Fuselage vs. Appr.
March 4	9:00	Serv. Pub. vs. Mfg. Control.

Williams, Haflinger Share Photo Honors

E. H. Williams and Dan Haflinger took first-place honors in the first quarterly contest staged by the Convair SD Camera Club Feb. 14 at the La Mesan Trailer Court, as guests of H. H. Hyde, Dept. 31.

Williams won the color slide division. C. K. Stroburg took both second and third place with John Cates earning an honorable mention.

Haflinger won the black and white division hands down, taking first, second and third prizes. C. E. Schultz captured honorable mention honors.

Sigurd Ziegler (Dept. 6), a former German national, will present a color slide exhibition and commentary on Germany at the club's Feb. 28 meeting at the Photo Arts Building, Balboa Park. A model shoot will follow.

CERTIFICATE—George C. Tenney, district vice president of American Institute of Electrical Engineers, was a visitor at San Diego recently to present a certificate to C. F. McCabe, right, Convair SD assistant chief engineer, recognizing latter's services as a section chairman of AIEE.

Two Top Bills Ahead for SD Movie Goers

Academy award winner William Holden will be seen in two movies at CRA's special bargain-rate movie night next week at the Rio Theater in San Diego.

Holden will team with Eleanor Parker in "Escape from Fort Bravo" in one feature and will appear with Ginger Rogers in "Forever Female" in the other. These features appear on the bill March 1. Convair employees and their families are admitted at reduced rates (25 cents for adults and 10 cents for children) with CRA footing part of the bill.

Scheduled for the March 8 Convair night are Debbie Reynolds and Dick Powell in "Susan Slept Here" and Richard Montalban, Cyd Charisse and Pier Angeli in "Sombrero."

More than 1,400 Convair people have attended these sessions since they started in January, according to CRA President Gil Crosthwaite.

Steady Stream Of Visitors See CRA Plant Show

A steady procession of interested visitors trooped through the San Diego Floral Association Building in Balboa Park at San Diego Sunday, Feb. 13 to view the annual potted plant show held by the Convair Garden Club, according to E. L. Zimmerman, CRA commissioner.

There were 80 entries by Convair people with first prize awards going to Mrs. T. J. Cunnion, Dept. 25; E. L. Zimmerman, Dept. 31; Mike Delva, Dept. 8; Donna Zimmerman, Dept. 31; Mike Alianelli, Dept. 202; Walter Low, Dept. 252; Mrs. Al Oberg, Dept. 31; Mrs. F. L. Cantrell, Dept. 102; and Mrs. Luke Morris, Dept. 522.

Judging was done by Tom Getz and Welles Hershey of the San Diego Rose Society.

The next meeting of the Garden Club will be March 9 at 8 p.m. in the Floral Building. Mr. James Kirk of the Rose Society will speak on preparation of roses for rose shows. Convair employees and their families are invited.

Navy Convalescents Send Thanks to CRA For Rockhound Help

Convair SD Rockhounds received a round of applause last week for their efforts in helping patients at the U.S. Naval Hospital through their convalescence period.

The Rockhounds have donated 75 per cent of the stones used in the hospital's lapidary hobby program. In addition, the Convair group helped to start the program by providing equipment and instruction sessions.

In thanking the Rockhounds for their help, Charles Menges, a patient, wrote:

"I guess I don't have to tell you that the worst part of convalescence is the waiting. But you fellows have made time zip along for a lot of us. Making jewelry of the stones you supply the Red Cross Hobby Shop is a mighty absorbing way to wait out convalescence."

CRA'S Choral Group To Sing at Hospital

The CRA Choral Club at San Diego has been asked to sing for patients at the U.S. Naval Hospital at Easter time. The group appeared there during Christmas and won praise from patients and the staff.

Additional singers are needed to round out the group, especially basses and tenors, according to Director Bill Vogel. The club meets at 7:30 p.m. each Monday at CRA Clubhouse.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Second annual Flying Scale free flight, Sunday, Feb. 27, Kearney Mesa.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second Tuesday and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Monthly field shoots second Sunday of month, 9:30 a.m., Gold Gulch. Instruction Saturdays 10 to 12 a.m. Equipment available. For additional information contact Bing, ext. 513, or CY 6-1863 evenings.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays; 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 583 or 411, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse. More bass and tenor voices needed.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1. Medal play sweepstakes Agua Caliente Feb. 26-27. Reserve starting times with Gerry Cox, ext. 541, Plant 2.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext 538 or 501, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month at Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Next trip to San Bernardino Ice Rink, Sunday, Feb. 27. Contact Davies for further information.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Feb. 24) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 580, Plant 2. Class schedule: Mondays, adults 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate 12 noon; advanced 1 p.m., at Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

SKIN DIVING—Bob Hutson, commissioner, ext. 376 or 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Mort Rosenbaum, president, ext. 1381, Plant 1. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Intermediates, Tuesdays; advanced, Thursdays, 8 p.m. American Legion Hall, 4061 Fairmount Ave. Beginners class to start March 8.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—For Convair employees and their families each month at Mission Beach plunge. Watch bulletin boards.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1571, Plant 1.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego for Convair employees and their families.

Friday, Feb. 25: BEAVER VALLEY (Disney's) and cartoons.

Friday, March 4: SON OF ALIBABA (color) Tony Curtis and Piper Laurie.

New Square Dance Class For Beginners to Start

A new beginner's class in square dancing will start Tuesday, March 8 at Convair San Diego, Larry Roth, CRA commissioner, announced this week. The class will meet each Tuesday evening thereafter for a period of twelve weeks.

"We are offering Convair people another chance to learn this popular dance," Roth said. "However, because of the interest shown we urge prospective dancers to attend the first session. Registration will be on a first-come, first-served basis."

Deadline for registering is Mar. 22.

With the beginner's class taking the Tuesday night spot, the intermediates will merge with the advanced dancers on Thursday evenings. All classes are held at 8 p.m., in the American Legion Hall, 4061 Fairmount, just north of University Ave.

For additional information contact Roth at ext. 395, Plant 2 or Marty Stutz, co-commissioner, ext. 259, Plant 1, second shift.

SD GUESTS—When Antelope Valley Convair Wives Club met recently in Lancaster, Calif., there were three San Diego visitors. Club has been operating successfully for several months for benefit of Convair women whose husbands are on F-102 project at Edwards AFB. Left to right, Mrs. J. H. Cheek, program chairman for day; Martha Woodberry of CRA at SD; Robley Baskerville, CRA lecturer who spoke at luncheon; Mrs. Phil Prophett; Mrs. Jerry Schultz of CRA at SD; Mrs. L. M. Dendinger.

Sports

Olympic Team Spot Seen For Champ Weight-Lifter

A berth on the United States Olympic team in 1956 may be in the offing for a Convair San Diego weight-lifter — Richard Ledesma of Dept. 14.

In his first year of competition (1954), the young Convair athlete captured in succession the middleweight lifting crowns in the Southern California tournament, the California State tournament and then the Junior National tournament held in Tucson, Ariz.

225 POUNDS — That's what Richard Ledesma of Dept. 14 SD is lifting in this photo. Current middleweight weight lifting champion of U. S., Ledesma will defend his title soon.—Leo Stern photo.

Ledesma will defend his middleweight title Saturday (Feb. 26) in the Southern California championship to be held at the Embassy Auditorium, Los Angeles. This will be followed by the California State competition at the same location April 16 and the Nationals in mid-June at Cleveland, Ohio.

"Ledesma is the best prospect to come out of California since Bill Lowrance (then a Convair employee) captured the national featherweight title in 1948," said Leo Stern, local gym operator and Ledesma's trainer.

"This boy outclassed his nearest competitor by an easy 30 pounds in the 1954 nationals and should repeat this year. We feel that he is an excellent candidate for the Olympic tryouts to be held early in 1956."

The World Olympics will be held in Australia in 1956.

Two Roller Skating Sessions on Schedule For SD Enthusiasts

Two roller skating sessions are on tap for Convair SD skaters this weekend.

The regular CRA skating session will be from 2 until 4:30 p.m. Feb. 26 at Skateland, Front and G Sts. Convair employees and their families will be admitted at 25 cents per person upon presentation of a skate card. Cards are available at employee service offices at both plants.

Convair employees will join with other members of the Industrial Recreation Council Feb. 28 from 7 until 9:30 p.m. for a skating session at Skateland. Admission is by skate cards.

CRA Golf Sweeps to Be Held at Caliente

Agua Caliente will be the site of the first CRA golf sweepstakes of 1955 Saturday (Feb. 26) and Sunday when Convair SD linksmen hold an 18-hole medal play event.

Sixteen merchandise prizes will be awarded in handicap groups for low gross, first, second and third low net.

Starting times may be reserved by calling Gerry Cox, ext. 541, Plant 2.

Mojica-Baranowski Win at Horseshoes

Eight teams representing various sections of Dept. 401 at Convair SD took part in a horseshoe pitching contest which ended recently.

H. Mojica and K. F. Baranowski copped first-place honors and won a pen desk set and a pocket pen awarded by CRA. R. Arnold and P. A. Christenson took second place honors.

Safety Course for Young Hunters at San Diego Planned

A special safety course for Convair SD juniors (16 years and under) interested in obtaining a California hunting license is being planned by the CRA Gun Club at San Diego.

California law requires that juniors seeking licenses must present a Hunter-Safety Certificate indicating they have satisfactorily passed the prescribed course prior to issuance of a license.

"This course will include two indoor study sessions and an actual session on the firing range," according to Gene Horstman, CRA commissioner. "Total cost will be about 50 cents per person, including a handbook, I.D. card and ammunition."

Application blanks are available at employee service offices at both plants. The course is tentatively scheduled for March.

Instructors with a Hunter-Safety Instructor's Certificate are also needed in this program. Instructors are asked to contact Jerry Schultz at ext. 1245, Plant 1.

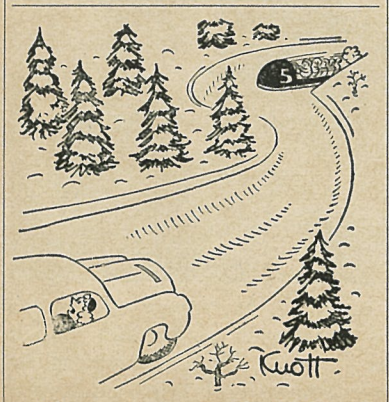
School for Umpires Begins Today at SD

An umpire's school for Convair SD men interested in learning the fundamentals of calling softball and Little League baseball games will begin today (Feb. 23) under CRA sponsorship.

The class will meet from 5:30 until 7 each Wednesday at the CRA Clubhouse for three months.

Pete Beyrer, former professional baseball player, will be the instructor.

"CRA will need 12 or 15 umpires to call shop softball and Little League games this summer," Beyrer said. "These men are paid by CRA and most will be selected from this school."



"Are you sure that this is route 90?"

RAIL SITTERS—Fence rail at Palomar Stables provided meeting site for newly elected Convair Riding Club officers to talk over plans for coming year. President Bill Piguee is at left, Treasurer Robert Bogardus at center and Vice President Bob Areta is at right. Secretary Pat Walker was absent.

Chuck Wagon to Follow Ice Skaters on Outing

Ice skaters at Convair SD are planning an outing Sunday (Feb. 27) when they journey to San Bernardino for an all-day skating and picnic session.

"We had 42 people along on our first trip of this kind and feel there is sufficient interest to schedule another," said Commissioner Bud Davies.

Private cars will depart from the parking lot north of Building 19 between 7:30 and 8 a.m. to allow sufficient time to arrive at the arena for the skating session at 10 a.m.

CRA is sending along its "chuck wagon" this trip to provide hamburgers at cost for the skaters at a picnic slated immediately following skating. A small park adjacent to the arena will be used by the picnickers.

Those who need a ride or who have room for additional riders for the trip are asked to get in touch with Davies or Al Kosen at ext. 1501, station 53, Plant 1, as soon as possible. Davies may be reached at night at AC 3-5445 and Kosen at BR 6-2303.

Father and Son Shoot One, Two in Archery

A Convair SD father-son archery team scored top positions in the second monthly bare bow archery contest staged Feb. 13 by the Convair Archery Club at Gold Gulch, Balboa Park.

Al Phipps (Dept. 401) shot a score of 448 to take first, while his son, Oliver, placed second with a 404. Third place went to H. Jensen of Dept. 6.

The group stages field shoots at 9:30 a.m. the second Sunday of the month at Gold Gulch. Competition is held on a handicap basis. All Convair employees and their families are invited to attend.

Convair Son Named For Football Honor

A Convair SD son this month received an award as the outstanding football player at San Diego High last season. He is Richard Szakacs, son of Joe Szakacs, Dept 6.

The husky 17-year-old gridder played tackle for the City Prep School champion Cavemen eleven. In addition, he is a wrestler, skin diver, former city Soap Box Derby champion and a partner in a sideline boat-building firm with his father and brother.

Diver Qualification Run Set for Mar. 6

Convair SD's Delta Divers will hold a "swim-dive" qualification run at 2 p.m. March 6 at the Marine Room Beach, La Jolla, according to Bob Hutson, CRA commissioner.

"Those successfully completing the run and meeting attendance qualifications will be given active membership ratings entitling them to enter all competitive events and outside contests," Hutson said.

Nine From Convair Win Rifle Medals

Nine Convair Gun Club members at SD have been awarded medals by the National Rifle Association after qualifying during shoots held last year.

The winners and their classes included: expert, Herold Schnaubelt; sharpshooter, Harold Hampy, R. C. Saether; marksman, Gene Horstman, W. Isbell, F. Gill, B. Osborne, A. Arbtin and M. Johnson.

★ ★ ★

RAEDEL WINNER

Charles Raedel (Dept. 55) won top prize in the CRA Gun Club's special drawing held at the group's February meeting. Other prizes went to Elsa Barnum, Ross Peacock and Otha Young.

★ ★ ★

SD GUN CLUB HOST

Convair SD Gun Club will host two local groups—Solar's trap team and Ryan's rifle team—at their regular shoot beginning at 8:30 a.m. March 6 at Gillespie Field.

Hunting in Alaska Keynote for Meeting

Alaskan big game hunting will be the keynote of the March 8 meeting of the Convair SD Gun Club starting at 7:30 p.m. at the Natural History Museum, Balboa Park.

Leo Bernitz (Dept. 25) will offer comments on his recent hunting-fishing jaunt to Alaska plus tips for those planning a trip. A 25-minute color movie on "Alaskan Big Game" will also be shown.

"I got my deer right off the bat."

Feminine Hand Wins at Traps

Over 200 Convair SD people took part in events at the Convair Gun Club's monthly shoot Feb. 7 but it took feminine hands to show them a thing or two about marksmanship.

Mrs. Emma Lee Swank broke 18 birds to win the ladies trap event and then cracked 14 to take first in the ladies skeet event. Virginia Sheppherd took second in the trap shoot.

Doyle Hayworth broke 23 birds to win the handicap trap event, while Cleo Pharris won the regular trap event with 23 birds.

Bill McDougal and John Cushman tied for first in the trap doubles with 19 each. Vince Cernuto's 25 was tops in the handicap skeet bracket and John Harvey broke 21 for first in the regular skeet competition.

Bill Isbell took first division honors in the .22 rifle event with a score of 370-9X. A. McLellan won the second division with a score of 285-1X.

★ ★ ★

Jim Halfacre's 285 Among SD Masters Wins in Pistol Shoot

Jim Halfacre fired a 285 of a possible 300 score to take first in the master class of the CRA Pistol Club's Feb. 13 shoot at the San Diego Police Pistol Range. Second place went to George Clayton.

Other winners and their classes included: expert, J. M. Elliot, Jake Nerlinger; sharpshooter, Dale Young, Carl Hornberg; marksman, E. T. Johnson, Eldon Vogt.

Bob Wahlgren won the short national course with a score of 267. Bill Dittmann placed second and Jake Nerlinger third.

TROPHIES — J. L. Williamson of Dept. 401, top photo, was proclaimed "Sportsman of the Year" recently by the Convair Gun Club. He is not only a fine sportsman, but also a consistently good performer in rifle, pistol and shotgun events. Lower picture is of Emma Lee Swank, wife of J. W. Swank of Dept. 3. She won both ladies' trap and skeet events at last shoot.

Carswell, AF B-36 Base, Honored by Gen. LeMay For Safety in Aircraft

Carswell AFB got a big pat on the back this month when Gen. Curtis E. LeMay, SAC commander, presented Strategic Air Command's "Base-of-the-Year" trophy to the B-36 base.

More than 5,000 Air Force personnel paraded on the cold, damp morning of Feb. 5 before Gen. LeMay and others in the reviewing stand.

During the award period—January through December 1954—the 19th Air Division, comprised of the 7th and 11th Bomb Wings, and tenant units stationed at Carswell—flew almost 50,000 hours without a major or minor accident.

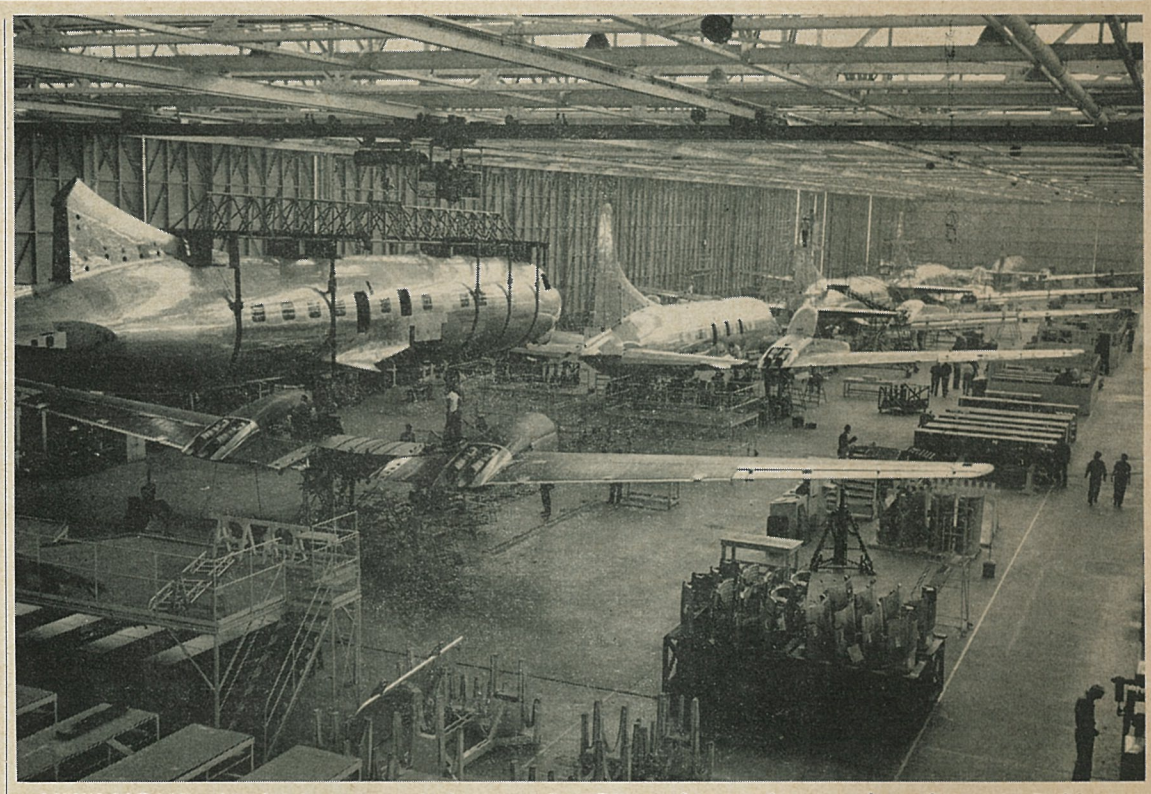
In addition, no transient aircraft was involved in an accident while at Carswell during the year.

"This is an almost unprecedented record," said Gen. LeMay in presenting the trophy.

He cited the efficiency of all personnel; the efforts of the commanders; the aircrews who flew their aircraft with professional skill; and the high standards and superior skill of maintenance personnel.

Carswell, Convair Fort Worth's neighbor across the runway, was the third base to win the permanent trophy. In 1952, it went to Ramey AFB, an RB-36 base. Lake Charles won the trophy in 1953.

ON HAND—Five generals were on hand when Carswell AFB at Fort Worth, B-36 base, received SAC's highest safety award. Left to right: Gen. Curtis LeMay, Maj. Gen. John B. Montgomery, Maj. Gen. J. C. Selser, Brig. Gen. John D. Ryan, Brig. Gen. C. T. Edwinson.



NEW HOME—Model 340 type airplanes at San Diego that used to go through line in Building 4, now are mated and complete final assembly in Building 2, shown here. These are C-131Bs, electronic test beds for the Air Force. T-29s will continue, however, to roll out of Building 4.

Enrollment in Various Classes At SD Totals Nearly 20,000

Nearly 20,000 trainees were instructed in 209 different subjects at Convair San Diego during 1954, the annual report of the training section of industrial relations department disclosed last week.

The instructor force included regular Convair staff training specialists, special course instructors, public school teachers, and qualified Convair personnel.

Subjects showed a wide range in achieving the training program's aim of "developing through systematic and continuous instruction the necessary knowledge and skills and attitudes that advance company goals and employee welfare."

In-plant courses on company time accounted for 424 separate classes conducted in 137 different subjects that ranged alphabetically from Accounts Payable Review to Writing for Secretaries. In between were such subjects as Physiology for High Altitude Flight, Catalog Procedures, Use of Calculators, Heat Dimpling, First Aid, Heat Treat, many electronics and electricity courses, Material Control, and ground school on various models of aircraft. Course that involved the greatest number of students was Indoctrination, which was attended by 3,159 persons, followed by Telephone Courtesy, attended by 1,284, and Stock Crib Training, which 1,040 attended.

In-plant supplementary classes totaled 97 (involving 1,617 students) and covered such subjects as blueprint reading, math, speed reading, shorthand, slide rule, etc.

There were 30 out-plant classes on company time, involving 495 students and the out-plant supplementary list showed 69 classes and 693 students. Subjects on the latter list also were varied, ranging from English and history courses to materials and math, psychology and tool design, etc.

In the management development field, a total of 5,334 participated in 319 groups in courses on 37 different subjects.

HONORS—Kenneth R. Jackman, senior test engineer at Convair Pomona, shown receiving distinguished service certificate from Thorndike Saville, dean of New York University's College of Engineering. Jackman and E. G. Stout, Convair SD staff engineer, were among 100 alumni honored for "professional achievements and services to the common good," during college's centennial.

B-36s Assigned Role In New Atom Tests

Air Force Convair-built B-36s were set to play an important role in the Atomic Energy Commission tests scheduled last week in Nevada.

Carswell AFB's 11th Bomb Wing of B-36s was to simulate wartime operations at the Nevada testing grounds. Sixty bombers from 13 strategic air command wings over the United States were to participate.

The planes were to fly over the test sites and simulate bomb drops at the moment of the atomic blast.

Crews also were to undergo atomic training in the following fields: crew indoctrination, cloud development, photography, and aerial reconnaissance.

Hopkins Agrees To Visit Japan For Atom Talks

John Jay Hopkins, chairman of the board and president of General Dynamics Corporation, announced last week that he will visit Japan in May to meet with Japanese businessmen for a series of discussions on strengthening that nation's economy through industrial applications of nuclear energy.

Hopkins, builder of the first two atomic submarines Nautilus and Sea Wolf, was invited to Japan in January following his address before the National Association of Manufacturers here in which he proposed an international long-range "lend-lease" program for peacetime applications of nuclear power, particularly in countries of the free world where industrial power is in short supply.

The invitation to visit Japan was extended to him by a group of businessmen headed by Matsutaro Shoriki, owner of the Yomiuri Press in Tokyo. The invitation was subsequently endorsed by Prime Minister Ichiro Hatoyama and other high government officials.

It is expected that at least one internationally-known nuclear scientist and an economist, both of whom will be named later, will accompany Hopkins.

Underscoring the Hopkins plan to visit Japan in the cause of peaceful industrial atomic energy was the joint resolution introduced Jan. 27 by Rep. Sidney R. Yates (D., Ill.) in the House of Representatives providing for the construction of a nuclear power reactor in Japan.

Stepped-up Schedule in Prospect For Convair's New Twin-Engine Line

Convair San Diego's latest twin-engine final assembly line was being readied this month to take on an extra load when a stepped-up schedule of production starts in April.

Located in Building 2, Plant 1, the new line is now turning out Air Force C-131Bs at the rate of about three per month.

Currently, four stations are being utilized from major mating to factory completion. Planning calls for the addition of two stations within the next few weeks to meet a schedule calling for the completion of five airplanes a month through the remainder of 1955 and into 1956.

Following closely on the heels of the Air Force contract for C-131Bs (electronics test beds) will be a Navy contract for a number of twin-engine transports to be known as R4Ys.

"Close planning has made it possible for us to join these two contracts without any slack periods in production," said W. S. Stroud, 340 project administrator. "This new line will move in a continuous manufacturing program from one version to the next."

Both the C-131B and the R4Y are versions of the Convair-Liner model 340. Any future commercial or military orders for this type airplane will be filled on this new line instead of the old line in Building 4. However, T-29s will continue to roll out of Building 4 for some time, Stroud added.

CIP and ES Programs Get Flying Start at FW

Though it's still early in the year, Convair Fort Worth already is well on the way toward making its 1955 Cost Improvement Proposal and Employee Suggestion quotas.

"That's because many departments got right on the ball without delay," said M. J. Scott, supervisor of conservation and suggestions.

Plant-wide quota for employee suggestions for the year is $276,711. For CIPs it's a whopping $5,175,623.

"Some departments are already near one quota," said Scott, "and several others probably will go over the top within the next few months."

Ways and means used to encourage proposals and suggestions are numerous, and methods vary in each department.

Dept. 29, for instance, developed a set of charts. On these, each section keeps score—and can tell at any time just how it's doing.

"We took our quotas of $6,489 for suggestions and $68,128 for proposals and broke them down," explained A. R. Carson, Dept. 29 general foreman. "When they're divided by sections, the quotas don't look so difficult."

This plan has proved effective. Last year Dept. 29 was 200 per cent over its quota. This year they're already at $42,000 of quota.

Dept. 20, traffic, also has a good plan. Each assistant foreman is required to submit one CIP a month. Sixty-eight per cent had proposals approved last year.

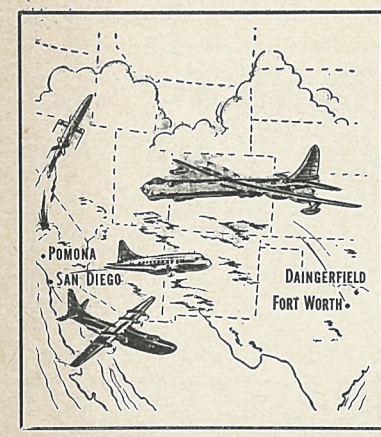
"We don't really expect to win all the time," said Lawrence Armstrong, Dept. 20 general foreman, "but we have a better chance of getting better suggestions this way."

Dept. 15, industrial security, is more than $2,000 over its 1955 quota. A CIP by Police Chief K. Simmons did the trick.

"Many departments have various methods to produce CIPs and ESs. These named are only a few of the more outstanding departments," said Scott.

The new 1955 quotas are simply past performances plus new business opportunity plus an expected increase in participation.

FINAL INSTALLMENT—Geo. Joseph T. McNarney of Convair hands over $7,000 check as final installment of $65,000 pledge Convair made to United Success Drive in 1954. Accepting on behalf of Red Feather agencies are members of Boy Scouts, Girl Scouts and Camp Fire Girls. In addition to the company's $65,000 donation, Convair Employees Con-Trib-Club gave $100,000 in 1954.



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Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

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San Diego

EDITION

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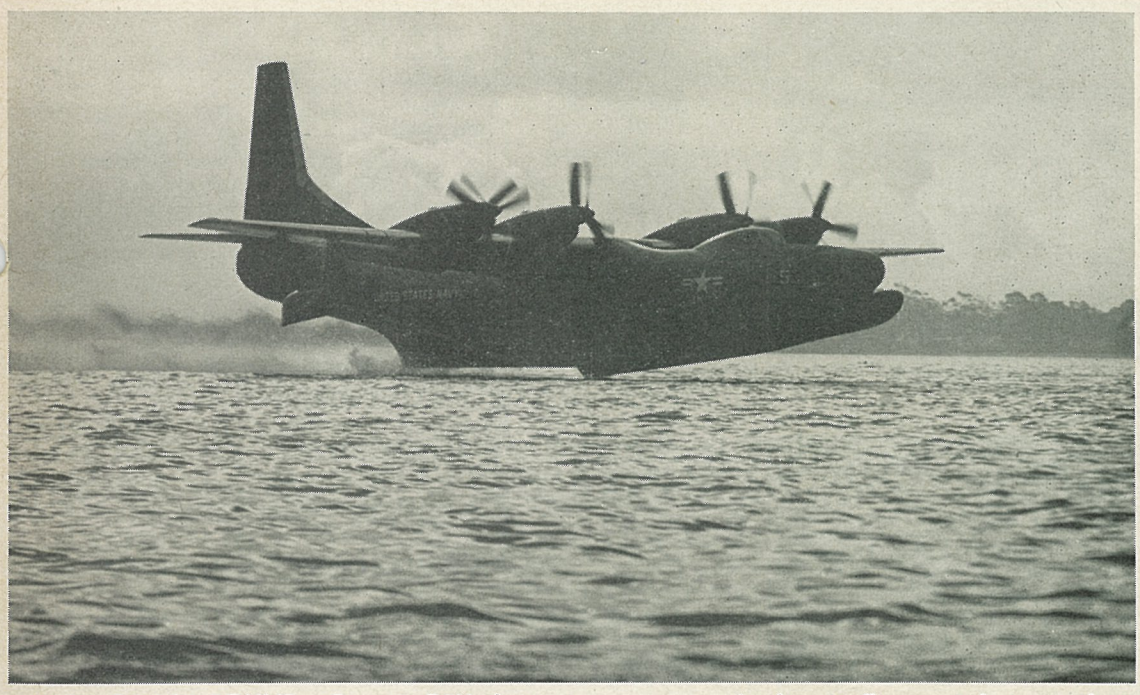
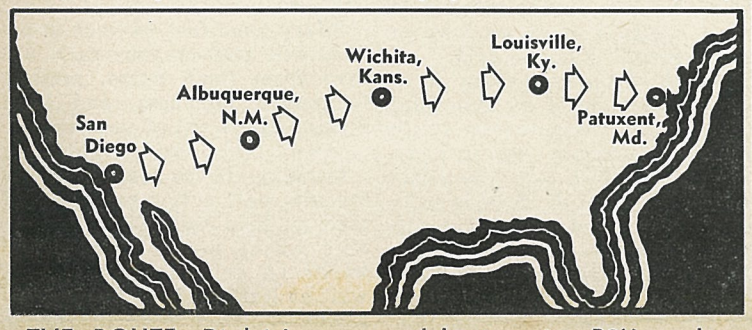


EAST COAST BOUND—Convair R3Y that set a new record when it flew east last month, is shown during next to last takeoff at San Diego. When this was taken ship was headed for Alameda, Calif., for rough water tests a few days prior to cross-country hop.



THE ROUTE—Disdaining a roundabout route, R3Y made a bee-line for Patuxent, Maryland, as map shows.

First R3Y to Leave SD Spans U.S. at 400 Mph

A Convair-built R3Y "Tradewind" transport was undergoing tests at Patuxent Naval Air Station, Md., this week after flying non-stop coast-to-coast in six hours late last month.

Convair test pilot Don Germeraad lifted the 80-ton Navy seaplane off San Diego Bay at 4:34 a.m. (Pacific Standard Time) and arrived at Patuxent NAS at 1:34 p.m. (Eastern Standard Time), but bad weather delayed the landing for several minutes.

Average speed for the turbo-prop-powered transport over the 2,400-mile route was 403 miles per hour.

"It was a wonderful flight, clear most of the way and without mishap," according to J. H. Mason, Convair SD flight test engineer, who made the flight. Other crew members included Lt. Cdr. W. C. Bergstedt of the Navy's BuAer office at Convair SD and John Knebel, co-pilots;

(Continued on Page 2)

Convair SD Engineer Chosen to Attend New Nuclear Class

Hideyoshi Nakamura, Convair SD design specialist, is one of nine engineers in the U. S. scheduled to attend a seven-month course at the School of Nuclear Science and Engineering.

The course, first of its type open to employees of industrial concerns, will be taught at the Argonne National Laboratory beginning March 14. The laboratory is operated by the University of Chicago.

Forty-two students, including 33 from foreign countries, have been appointed. The new course is devoted to studying nuclear energy and its application to industrial use.

Nakamura has been a member of the Convair SD engineering department since 1951. He holds a master's degree with a major in engineering from the University of Minnesota.

Civil Defense Program Ready For Action at Pomona if Needed

While the likelihood of atomic attack or other disaster at Convair Pomona appears remote at the present, recent publicity on Civil Defense apparently has created questions in the minds of many employees as to what action to take in such event.

Last week M. F. Pletcher, Civil Defense coordinator at Convair, Pomona, outlined the answers to some of the most common questions that have reached his office in recent weeks.

"Perhaps the most frequent question is: Does Convair have a Civil Defense plan?" Pletcher said. "The answer is yes. We have a very comprehensive plan, fully approved by the general offices, our division manager, and the Naval Inspector of Ordnance.

"This program is ready to go into action when needed, and you

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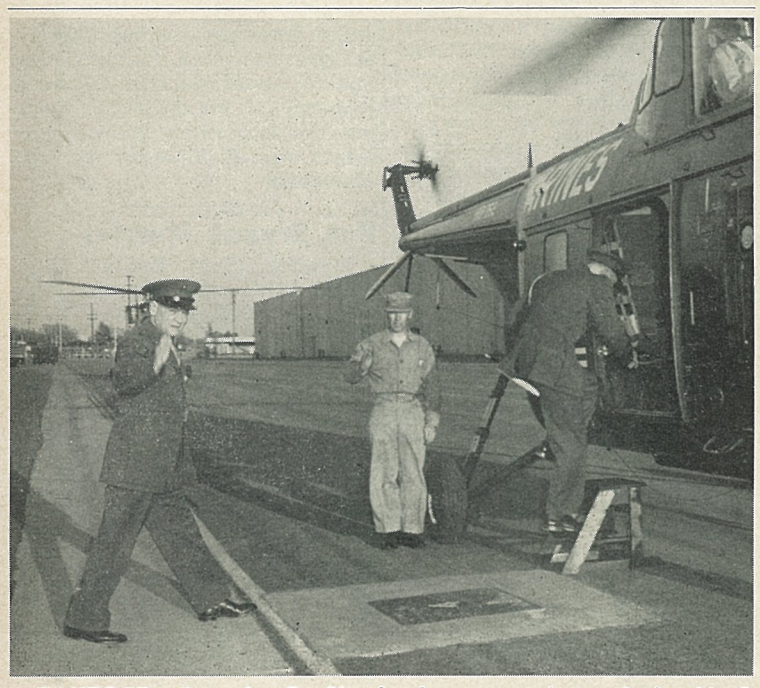


TAKEOFF—Gen. L. C. Shepherd, commandant of the U. S. Marine Corps, returns salute as he boards helicopter after visit to Convair Pomona recently. The commandant conferred with Pomona Manager C. F. Horne and military men stationed there.

BLOOD BANK VISIT MARCH 17 FOR SD

San Diego Blood Bank will set up operations at Convair SD March 17 to accept voluntary blood donations from Convair employees working in Depts. 31 and 6.

The mobile blood bank will operate from 9 a.m. until 1 p.m. on the ground floor of Building 5.

All donations received will be credited to Convair's reserve blood bank and will be available to Convair employees and their families, according to Frank Pickard of employee service.

Cost Factor is Vital To Convair's Future, McNarney Cautions

Convair's future depends upon successfully producing better products than its competitors—at less cost, Gen. Joseph T. McNarney told the Convair SD Management Club last month at San Diego.

Occasion was the presentation of the first President's Award, symbolic of leadership in cost reduction, which McNarney presented to Mike Alianelli of Dept. 202 at Plant 2, San Diego, for "outstanding achievement" during 1954. Of 34 Cost Improvement Proposals Alianelli submitted at SD, 12 were approved and placed in operation for an indicated savings of $73,279.

Prior to the presentation, McNarney emphasized the importance he attaches to cost reduction generally, in the light of intense competition.

"Convair is probably the only aircraft company in the business that competes in one way or another with every other major aircraft company—plus a host of others, especially in the electronics field," the Convair president declared.

"This is so because while most other companies specialize in building one or two types of aircraft, we are developing or building **ALL** types—fighters, bombers, trainers, transports, water-based aircraft and missiles. This is, of course, a credit to our engineering and production capability, but it's also a strain on the nervous system."

McNarney named names of Convair competitors and it was a Who's Who in aviation.

"The only way we can survive is to continue to produce better products than they do—at less cost.

"If we don't do this, you and I are out of business . . . Cost improvement is that vital. Just keep in mind that the 'I' is the important factor in any CIP program. What can I do? Where can I help?

"Your own individual welfare is deeply involved."

McNarney announced that at San Diego during 1954 a total of 8,253 CIPs and Employee Suggestions were received—an 11 per cent increase over 1953. Of the total indicated savings of $2,947,-

(Continued on Page 2)

Scholarship Applications Due March 31

Scholars interested in the new Convair undergraduate awards program were reminded this week that the deadline for filing applications is March 31.

The program, designed to assist sons of Convair employees in obtaining college training in engineering or an allied science, begins with the fall semester of 1955.

Convair San Diego and Fort Worth will present two scholarships each, while Convair Daingerfield and Pomona will join in issuing a single scholarship.

Scholarships cover all tuition and laboratory fees at any accredited college or university, plus a sum of $250 to be divided equally between the two semesters each year. Winners will normally hold the scholarships for four years providing they continue to meet requirements.

Any son or stepson of a Convair employee who has five years

(Continued on Page 2)

Race Movie Planned For Club Meeting

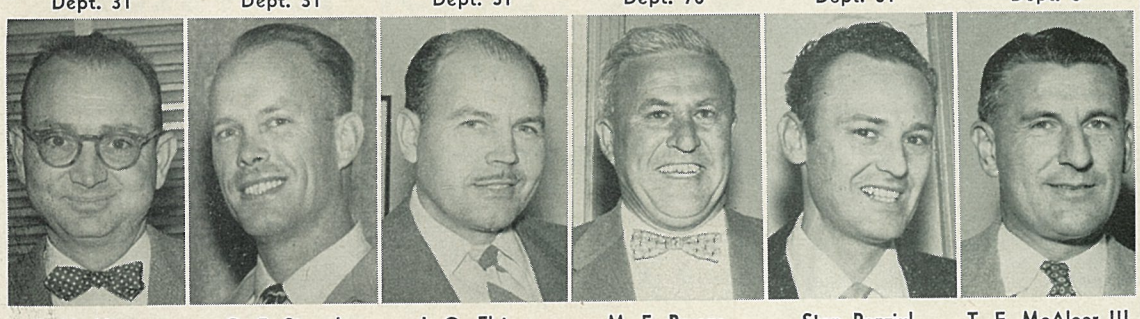
A film of the Mexican road races, shot from the front seats of cars actually entered in the race, will be featured at the next meeting of the Convair Pomona Management Club Friday night (March 11) at The Palms in Glendora.

The meeting, sponsored by administrative services, will begin at 6 p.m. with the usual social hour followed by dinner at 7 p.m. Prizes will include a Polaroid Land camera, and an outstanding speaker is also on the program.

SAN DIEGO'S BEST—Mike Alianelli, Dept. 202, one of most popular men at Convair San Diego, proved also among the most valuable last month when he received first annual President's Award, signifying outstanding CIP record during 1954. He is shown receiving plaque from Gen. Joseph T. McNarney.

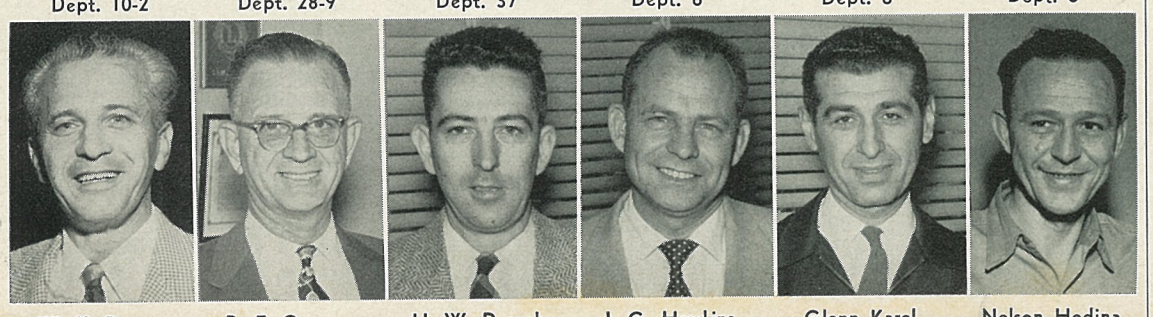
★ ★ Log Book Entries ★ ★

H. R. Lewis, Dept. 31 | H. L. Brady, Dept. 31 | F. H. Miller, Dept. 31 | J. R. Ernst, Dept. 70 | W. E. Hays, Dept. 31 | A. E. Lyerla, Dept. 6



F. N. Minter, Dept. 9-2 | C. F. Strand, Dept. 31 | J. G. Elston, Dept. 403 | M. E. Bryans, Dept. 300 | Stan Penziul, Dept. 115 | T. F. McAleer III, Supt.

F. J. Johnson, Dept. 10-2 | G. A. Knauss, Dept. 28-9 | J. T. Mitchell, Dept. 37 | L. F. Ballou Jr., Dept. 6 | L. A. Bayliss, Dept. 6 | F. B. Wozniak, Dept. 6



W. K. Beyer, Dept. 70 | R. F. Greggs, Dept. 401 | H. W. Dvorak, Dept. 6 | J. G. Hawkins, Dept. 6 | Glenn Karel, Dept. 6 | Nelson Hodina, Dept. 406

Convair San Diego men above are latest to join 15-year service pin ranks.

Service Emblems

SAN DIEGO

Service emblems due during the period March 1 through March 15:

Twenty-five year: Dept. 31, Otto Peterhansel.

Fifteen-year: Dept. 6, J. E. Lawton. Dept. 14-1, John Walsh. Dept. 22-8, W. M. Flenniken. Dept. 24-1, W. H. Rimmer, D. H. Sandin. Dept. 31, R. H. Hunter, T. G. Jones, W. O. Toomire, C. R. Yokley. Dept. 44, A. M. Easton. Dept. 204, J. F. Ridley. Dept. 225, V. C. Breit. Dept. 250, D. W. Kennedy. Dept. 258, R. C. Maving Sr. Dept. 522-3, T. F. Allen. Dept. 523, C. F. Blair. Dept. 524-2, A. M. Van Horne. Dept. 528-2, A. G. Islas.

Ten-year: Dept. 3-7, J. B. Baker. Dept. 6, C. B. Burkhardt, Erva K. Hamilton. Dept. 22-1, J. A. Salazar. Dept. 25-2, Oscar Davis. Dept. 60, A. W. Hicks, M. M. Longino Jr. Dept. 528-2, R. E. Davis.

Five-year: Dept. 3, Olive G. McAndrews. Dept. 6, W. J. Bossert Jr., C. R. Estes, C. L. Hagen, E. E. Whigham. Dept. 10, O. S. Ellis. Dept. 22, R. R. Deacon Jr., Anita L. Lord. Dept. 24, Vivian M. Hines. Dept. 28, W. H. Ginn.

Dept. 31, E. R. Skaggs. Dept. 44, Lillian D. Deeks. Dept. 45, R. R. Adams. Dept. 55, Arlene W. Gentry. Dept. 70, Leroy Booker. Dept. 102, Laura B. Brownlee, H. H. Ferguson, Kenneth Koba.

Dept. 115, R. W. Hill. Dept. 201, R. E. Ortegg. Dept. 202, Agnes R. Roetzel. Dept. 212, Beatrice D. Butler, A. P. Montoya. Dept. 215, I. V. Welty. Dept. 250, Marjorie F. Hurd. Dept. 252, Edna S. Tyrrel. Dept. 300, E. M. Otero. Dept. 302, C. A. Benner.

Dept. 303, C. J. Mansfield, C. B. Wells. Dept. 350, C. R. Martin. Dept. 403, Charles Attal. Dept. 410, C. P. Ratliff. Dept. 522, D. M. Constant. Dept. 524, P. A. Christianson, N. E. Morse. Dept. 603, J. R. Reay.

POMONA

Fifteen-year: Dept. 5-1, R. D. Webster. Dept. 52, H. C. Fruit.

Five-year: Dept. 6, E. M. Head.

Promotions

SAN DIEGO

Transfers to supervisory effective Feb. 21:

Dept. 6, Engineering: To aircraft service asst. supervisor, A. H. Gross, O. W. Harper. To flight test group engineer, R. G. McGeary.

Dept. 25-1, Plant Engineering: To asst. foreman, C. A. Lager.

Dept. 303-5, Model 8 Flight Test Operations: To asst. foreman, L. M. Barnes, S. Logan Jr.

Dept. 410, Purchasing: To buying supervisor, M. Formanek.

Awards

SAN DIEGO

Employee Suggestion awards totaled $1,087 for the weeks ending Feb. 10 and Feb. 17:

Dept. 3, Industrial Relations: M. K. Brand, $64.

Dept. 6, Engineering: A. H. Attebery, $95; J. R. Dunphy Jr., $25.50; J. E. Koency, $10; R. F. Summers, $15.

Dept. 11, Contracts: D. E. Gragg, $10; V. E. Nagle, $20.

Dept. 14, Shipping & Material Stores: O. A. Mereon, $5.

Dept. 22, Manufacturing Control: C. E. Pennick, $110; K. D. Pfeffer, $10.

Dept. 24, Tooling: D. Billinghurst, $10.

Dept. 25, Plant Engineering: A. K. Jones, $10; R. E. Laughead, $47.

Dept. 28, Inspection: A. N. Branom, $58.50; M. Redbird, $46; S. C. Walter, $10; E. Triphahn, $10.

Dept. 30, Model 8 Final Assembly: D. J. Finken, $10.

Dept. 31, Experimental: H. L. Brady, $62.

Dept. 52, 340 Wing: A. R. Richetti, $5.

Dept. 56, 340 Primary: M. Y. Koerner, $10.

Dept. 57, 340 Final: R. Hay, $5.

Dept. 60, Model 8 Wing & Tail: E. Burnett, $50; J. R. Ditmore, $10; R. C. Earnest, $5; F. J. French, $10; H. D. Frickert, $5; I. P. Mouet (three awards) $5, $10, $13.

Dept. 70, Model 8 Fuselage: C. Acevedo, $26.50; E. W. Ferrin, $10; D. S. Kelsey, $14.50; R. E. Kuske and W. A. Lane, $10.

Dept. 101, Sheet Metal; H. M. Woodard, $10.

Dept. 102, Sub-Assembly & Processing: F. Mendez, $17.

Dept. 201, Sheet Metal (Plant 2): E. J. Martin, $5; J. Villalobos, $10.

Dept. 215, Machine Shop: L. W. Tracy, $5.

Dept. 250, Electric Bench: C. D. Stephens, $10.

Dept. 258, Proofing Mock-up: W. H. Mariott, $48.

Dept. 355, Fabric and Tubing: L. Thomas, $10.

Dept. 406, Plaster Pattern Shop: A. Robert, $10.

Dept. 410, Purchasing: M. D. Hand, $15; I. L. Markel (partial payment) $100.

Dept. 522, Manufacturing Control (Plant 2): D. T. Molnar, $5.

Dept. 528, Inspection (Plant 2): W. C. Bowen, $15.

Dept. 603, Tool Manufacturing: S. A. Morris, $10.

You will be doing yourself a favor by keeping Convair up to date on your income tax exemptions.

Births

SAN DIEGO

ADAMS—Son, Russell Jr., 8 lbs. 2 oz., born March 1 to Mr. and Mrs. Russell Adams, Dept. 25.

LOWENTHAL—Daughter, Marialys, 6 lbs. 11 oz., born Feb. 19 to Mr. and Mrs. Julio Lowenthal, Dept. 6.

MENDEZ—Daughter, Sally, 6 lbs. ½ oz., born Feb. 28 to Mr. and Mrs. Frank Mendez, Dept. 102.

MERRIS—Son, Karl Eugene, 6 lbs. 10½ oz., born Feb. 5 to Mr. and Mrs. Gene Merris, Dept. 31.

NOEL—Son, Thomas Raymond, born Feb. 21 to Mr. and Mrs. G. R. Noel, Dept. 350.

POMONA

BAYER—Daughter, Judith Lynne, 9 lbs. 3 oz., born January 16 to Mr. and Mrs. Ralph Bayer, Dept. 6.

EVERETT—Daughter, Laurel Lynn, 6 lbs. 15 oz., born Feb. 7 to Mr. and Mrs. R. A. Everett, Dept. 31.

OSBORN—Son, Douglas Kent, 9 lbs. 4 oz., born Feb. 8 to Mr. and Mrs. William Osborn, Dept. 61.

VOLTZ—Son, Michael Maurice, 5 lbs. 10 oz., born Feb. 12 to Mr. and Mrs. Donald M. Voltz, Dept. 31.

Scholar Application Deadline March 31

(Continued from Page 1)

accredited service with the company is eligible. In certain cases present employees will be eligible if their parents meet the service requirements. In both cases the applicant must have graduated from a secondary school within the past two years and must meet the college requirements for admission.

Complete brochures on the program and application blanks are available at training sections. The applications must be completed, countersigned by the head of the student's secondary school and mailed along with a transcript of high school credits before March 31.

Applicants will be notified of their eligibility and the time and place of personal interviews by April 15.

Selection of winners will be the job of separate committees in each community. In each case the committee will include Convair's vice president—administration in addition to the division manager, chief engineer and manager of industrial relations and security.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Ediorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.

Cost Factor Vital to Convair's Future, McNarney Tells SD Club

(Continued from Page 1)

430, accepted CIPs accounted for $2,448,164.

"I am told that for every 1,000 on the SD payroll last year, an average of 370 participated in your Cost Reduction-Conservation Program. I hope the ratio will be even higher next year."

Alianelli received not only a plaque in honor of his accomplishments but also gifts from Convair of his own selection—a washing machine and a vacuum cleaner. Miniatures were used for the presentation.

Following this award McNarney presented another plaque to Convair SD Manager B. F. Coggan with these words:

"I wish to congratulate you, too, on the accomplishments of Mike Alianelli. You are fortunate to have him on your team . . . I wish to encourage every one of your members of supervision to make his participation (in cost reduction) a personal goal . . . And to serve as a target for all supervision to shoot at, I present to you this plaque . . ."

The plaque, which will hang in Coggan's office, carries Alianelli's name for 1954 with places for winners in subsequent years.

Mug o' the Month award went to Jack Kline of field operations while the Mr. MacSave-it for January was won by R. H. Lange of material salvage.

The evening's program included a question and answer period during which San Diego city leaders, including Mayor Butler, answered queries on city government.

Civil Defense Program Ready For Action at Pomona if Needed

(Continued from Page 1)

can expect to hear much more about it in the future. The entire Civil Defense organization is lined up, and our training program is organized to the point that we can begin immediately when we receive the final O. K. Also, our plan is coordinated with the Pomona police and fire departments."

"The next question usually is: If we have no plan in effect now, what should I do if we have an emergency?" Pletcher said.

"First of all, keep calm. If we receive warning of an impending attack, with the authority of the division manager, we will announce this fact over the public address system. If there is sufficient time—and we will notify you if there is—we will evacuate the plant. In this event, it is important that you follow instructions, both those given here at the plant and those of police officers directing traffic, down to the last letter. These will be for your own benefit, and to disobey them will result only in more confusion and possibly loss of life.

"However, if there is not enough time for evacuation, remain in the plant and follow these tips which are offered by the federal government:

"Try to get shielded. If there is time, seek shelter near an outside wall. If you are outside, get in a ditch, gutter or other depression.

"Drop flat on the floor or ground. This will lessen your chance of being struck by flying debris. Try to get under a desk or table, and keep away from windows.

"Bury your face in your arms. This will protect your face and eyes from flash burns, prevent temporary blindness, and keep flying objects out of your eyes.

"Don't rush outside right after a bombing. If the bomb bursts in the air, wait a few minutes and then go help fight fires or help with rescue work. If the bomb bursts on or under the ground, wait at least an hour to give lingering radiation a chance to die down.

"Don't take chances with food or water in open containers. To do so may increase the chance of radioactive poisoning. Stick to canned and bottled things if possible.

"Don't lose your head and don't start rumors. This will only add to the confusion, and may touch off a panic that could cost you your life.

"Look to your supervisor for instructions, and under no circumstances leave the plant without proper authority," Pletcher continued. "In all probability we will never be subjected to atomic attack, and the purpose of this article is to answer questions, and not to create alarm. However, such an attack is not beyond the realm of possibility, so it might be wise to remember the pointers mentioned here," he concluded.

Convair R3Y Spans U.S. in Six Hours

(Continued from Page 1)

W. C. Robinson and R. M. Bloom, flight engineers, all of Convair SD.

Shunning the usual route for seaplanes (over the Gulf of Mexico and up the Atlantic seaboard) which keeps them always near a landing site, the R3Y took the overland "great circle" route, passing over Albuquerque, N.M., Wichita, Kan., and Louisville, Ky., before landing at Patuxent, 60 miles south of Washington, D.C.

On hand to greet the big seaplane was a group of 25 Convair SD employees who recently set up a base of operations at Patuxent. Headed by W. J. Dewey of engineering, the group includes engineers, inspectors, supply clerks and 15 R3Y mechanics led by Foreman Frank Pyatt.

"Our landing created quite a stir at the big base but the crowds were quickly dispersed when a freezing rain started falling five minutes after we set down," Mason said.

"We picked up some pretty good tailwinds at times flying around 27,000 feet and began to notice our check points coming up faster and faster," he added.

Although capable of transporting payloads of 48,000 pounds more than 2,000 miles, the R3Y carried only a small load of spares on the flight.

The flight followed many months of experimental and production flying at San Diego during which the big transports have engaged in performance tests, rough water landings, night operations, troop and equipment landing operations and routine test flights.

Convair SD Dept. 258 Has Valentine Dance

More than 250 employees of Dept. 258 at Convair San Diego attended a post St. Valentine's dance Saturday evening, Feb. 19, at the American Legion Hall. Music was furnished by Francis Leonard and his orchestra. Heading the committee for arrangements were C. T. Boyle and Dale Mansfield.

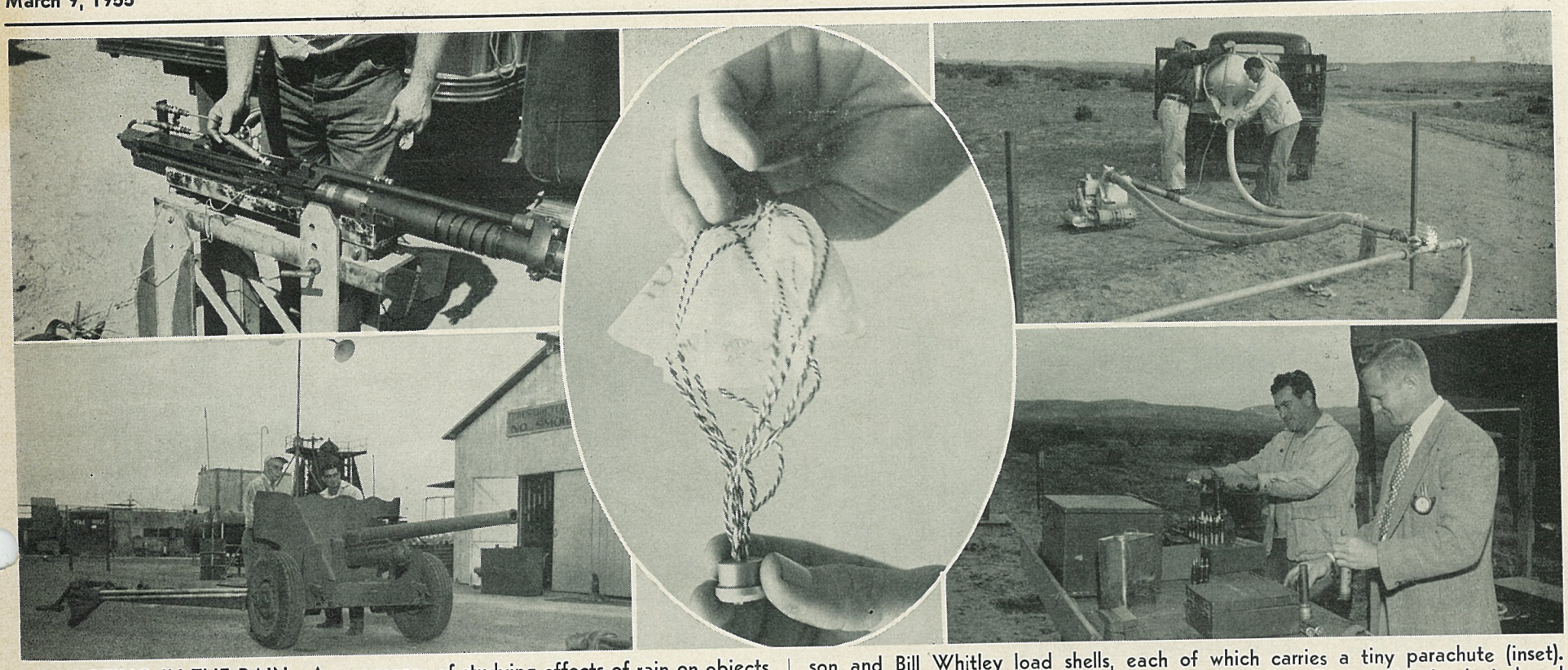
Pat Bryant Marries

Patricia (Pat) Bryant, Dept. 524-3, at Convair SD and Raymond P. Sanger of San Diego were married Feb. 26 in Yuma, Ariz.

The bride is the daughter of General Foreman Jack Bryant, Dept. 72.

POMONA MEN ON PANEL

Two Convair Pomona men are scheduled to appear on the program of the Southern California Safety Congress which will convene in Los Angeles March 21, 22, 23. T. R. Smith, assistant safety supervisor, will serve as moderator for one of three panels on the program, and Steve Herman, assistant foreman in Dept. 63, will be a member of the same panel.



SHOOTING IN THE RAIN—A new means of studying effects of rain on objects traveling at supersonic speeds is underway at San Diego. At top right, A. E. Daugherty and Harry Anderson of SD engineering connect water tank which feeds sprinkling system through which they fire a 20 mm. cannon. At lower right, Anderson and Bill Whitley load shells, each of which carries a tiny parachute (inset). After the projectile passes through the artificial "rain," a portion is ejected and floats to earth by chute, offering evidence of erosion. Top left shows the cannon being loaded. At lower left is another cannon considered for use.

Former AEC Executive Will Visit Japan With Hopkins on Atom Trip

John Jay Hopkins, chairman and president of General Dynamics Corporation, will be accompanied by Dr. Lawrence R. Hafstad, former director, Division of Reactor Development for the U.S. Atomic Energy Commission, on a mission to Japan in May.

Object of the mission will be to discuss peacetime applications of atomic energy with Japanese industrialists and scientists.

Hafstad served the AEC from January, 1949, until January of this year. Currently he is director of the Atomic Energy Division of the Chase National Bank in New York City. It was during his tenure with AEC that power was first produced from atomic energy, the submarine reactor was built, the aircraft nuclear program launched and industrial participation program established.

Hopkins, whose Electric Boat Division of General Dynamics built the world's first atomic-powered submarines, the Nautilus and the Sea Wolf, last December proposed a long-range atomic "lend-lease" program whereby the living standards of the nations of the free world would be raised through the implantation of atomic reactors for industrial, medical and agricultural uses.

The visit to Japan is the result of an invitation extended early this year by Matsutaro Shoriki, prominent Tokyo newspaper publisher and businessman. The suggestion was subsequently endorsed by Japanese scientists and industrialists and by Premier Ichiro Hotayama.

* * *

SD CHAMBER HONORS HOPKINS, McNARNEY

John Jay Hopkins, General Dynamics Corporation chairman and president, and Gen. Joseph T. McNarney, president of Convair, were among those at the head table last month in San Diego when the San Diego Chamber of Commerce held a dinner celebrating its 85th anniversary.

Other members of the General Dynamics Board of Directors, in San Diego for a directors meeting, also attended.

Hopkins announced that Convair will continue to sponsor the annual San Diego Open golf tournament and Chamber President Robert M. Golden presented scrolls to both Hopkins and McNarney for their community contributions in connection with the tournament.

Car License Plate Service Offered

Convair Fort Worth employees who live in Tarrant County again will be able to buy license plates at the plant.

A representative from the license bureau will be in the cafeteria from 11 a.m. to 1 p.m. and 2 p.m. to 3:45 p.m. on March 14, 15 and 16. Other tentative dates are March 17 and 18.

Owners need their automobile title and 1954 license receipt. Employees from any county other than Tarrant must purchase their plates in their home counties.

CROSSING BROADWAY—After several months at Brown Naval Auxiliary Air Station south of San Diego, Convair XFY-1 (the Pogo) returns to Convair. It is shown crossing Broadway.

Record 81 Apply for Scholarships Offered by SD Management Club

Members of the Convair SD Management Club scholarship committee have been faced with the largest group of applicants ever to apply for the club's annual awards.

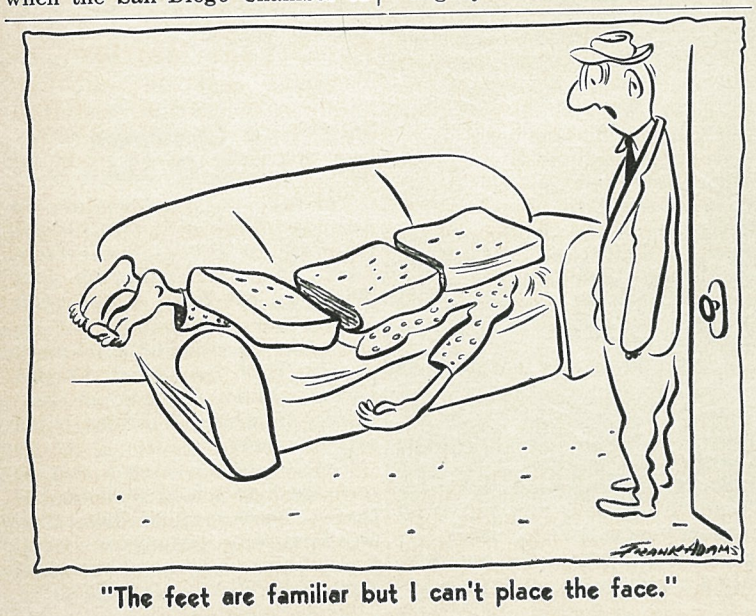
Eighty-one Convair sons and daughters made application before the Feb. 15 deadline. That number was reduced to 35 after the first round of judging was completed. The second round, conducted last Saturday (March 5), will further reduce the applicants to six.

From the six finalists, three will be awarded scholarships ranging from $1,000 for first place, to $500 for second and $250 for third.

"All of our applicants have been outstanding young men and women and we have been forced to work overtime in selecting winners," said Wayne Zook, committee chairman.

Results of the contest will be announced in late March after individual interviews are conducted with the six finalists.

Committee members besides Zook include: G. O. Couchman, Dept. 70, R. B. Kalanquin, Dept. 528, G. C. Kolsky, Dept. 6, R. H. Nall, Dept. 3, and J. G. Williamson, Dept. 24. D. R. Archibald is the Management Club's Board of Control member responsible for the scholarship program.



"The feet are familiar but I can't place the face."

Projectiles Fired Into Artificial 'Rain' Helping Supersonic Study at SD

A 20 mm. cannon firing high-speed test projectiles through a canyon of man-made rain is being used by Convair San Diego engineers in studying problems of supersonic flight.

It's all part of an Air Force contract, called supersonic rain erosion studies, being performed by the engineering propulsion laboratory under the direction of Bill Dittmann. The actual test site is a remote sector of the Navy's Camp Elliott.

The studies are being conducted for the Wright Air Development Center, Materials Laboratory.

"By producing this 'rain' and firing projectiles through it, we get the same effect as a missile or aircraft traveling through rain at transonic or supersonic speeds," Dittmann said.

"Previous tests show that objects traveling at speeds of Mach 2 (1,500 mph) and over are damaged by ordinary rainfall. Therefore, the Air Force is vitally concerned with developing materials capable of withstanding such damage," he added.

Because no methods of conducting tests were known, Convair engineers worked first on a trial and error basis. They reasoned that it would be necessary to either move the raindrops against suspended test metals at these speeds or move the metals through the "rain" at similar speeds.

"The first proved impractical so we developed the second," Dittmann said.

"Rain" was produced by erecting a 500-foot-long pipe rigged at intervals with special sprinklers. Water, hauled to the test site by truck, was forced through these pipes by a small pump and out the sprinklers at an average rate of two inches per hour.

A standard Air Force 20 mm cannon is mounted on a rack at one end of the line. It propels projectiles through the "rain" at speeds ranging from Mach 1 to Mach 2.5 depending on the amount of powder charge loaded in the shell.

One of the unique features of the operation is the test package projectile designed by Convair engineers. It contains a built-in ejection feature. The leading edge of the projectile contains the test specimen and is rigged on the body of the shell with a special fuse and charge. Once the projectile has passed through the "rain" and traveled 1,500 feet, it ejects itself and brakes to an easy stop by use of a small parachute.

These test specimens, which may be a coating of metal or composed entirely of metal, can often be fired as many as eight or 10 times without damage. Others are demolished the first time through the "rain." Flat specimens may also be mounted on the projectile much the same as diamonds are mounted on rings.

Range firing on the program to date has been the responsibility of Bill Whitley of engineering and Harry Anderson and A. E. Daugherty of experimental. Anderson is a retired Navy gunnery chief with extensive weapons training.

"Most problems have been ironed out on the range after a time," Whitley said. "However, our biggest headache to date has been bees!

"They are attracted by the water, forced into the pipes and then into the nozzle where they clog up the works."

Latest addition to the growing test equipment is a 57 mm antitank cannon which will allow larger specimens to be used at higher speeds.

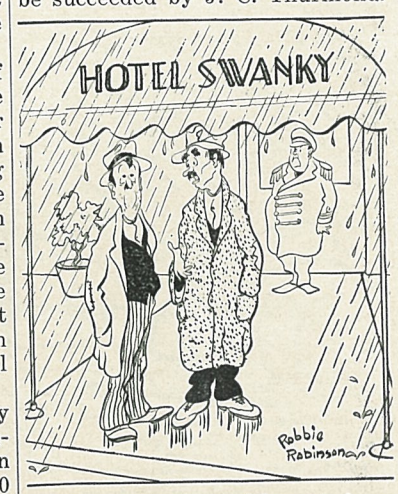
"Results from these tests will be compiled and promising metals subjected to full-scale tests on such installations as supersonic sleds," Dittmann said.

Friends Give Dinner For Wendell Eldred

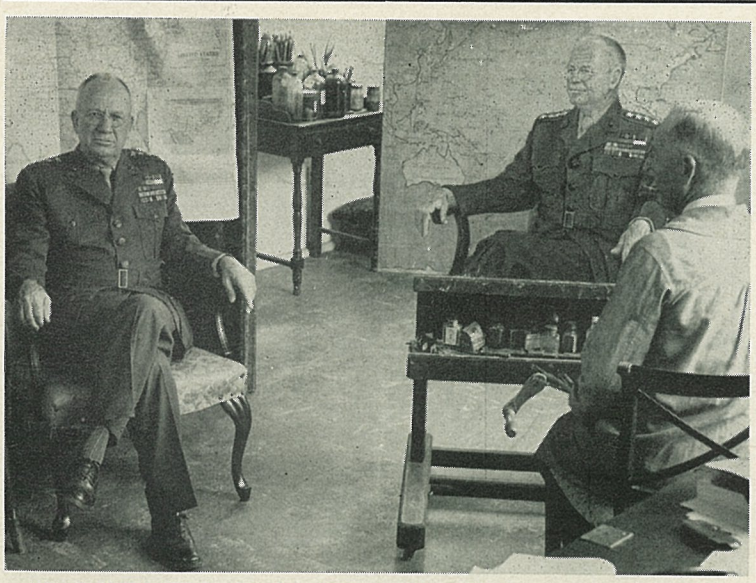
A farewell dinner was held Feb. 28 at Lake Worth Boat and Ski Club for Wendell Eldred, senior design group engineer at Convair Fort Worth. Giving the dinner were friends in the engineering department.

Eldred is leaving Convair to become manager of the Wheel and Brake Division of Bendix Aviation Corp. at South Bend, Ind. He had worked with Convair since 1936.

E. D. Rohn, chief design engineer, announced that Eldred will be succeeded by J. C. Thurmond.



"Oh, well, any old port in a storm, Homer!"



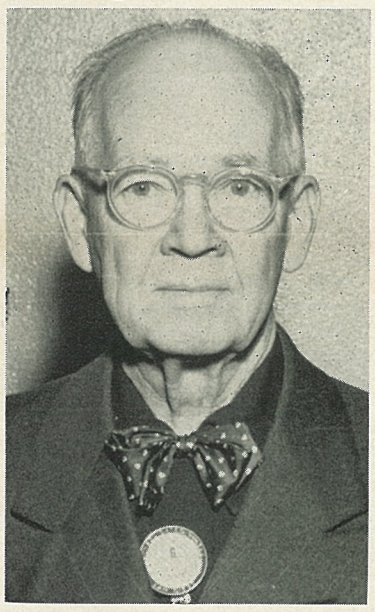
BEST SUBJECTS—Walter Willoughby, illustrator at SD and long-time painter, shown doing portrait of Marine Gen. H. M. Smith, the famous "Howling Mad" of Pacific war days. Willoughby prefers men as subjects. For his reasons, see story.

SD Illustrator, Ex-Marine Flyer, Has Devoted Forty Years to Art

Eisenhower and Churchill are largely responsible for an upsurge in public interest in art, according to a Convair illustrator who has devoted some 40 years to art as student, teacher and professional painter.

"The publicity these great men have given to painting has influenced thousands in seeking art training and also is mainly responsible for the increasing number of museums and galleries," commented Walter Willoughby of Dept. 6's illustrations group at San Diego.

Willoughby has been teaching art for a generation and currently instructs adult education art sessions five nights a week, in addition to his daytime position with Convair. Also, he recently was asked to lecture at the new College of Men when it opens at San Diego this fall.



Though his parents aimed him toward an engineering career, art called insistently to SD's Walter Willoughby.

Willoughby got his first art training the hard way. After almost four years of college studying to be a mechanical engineer (at his parents' insistence), he became a draftsman, but attended the Pennsylvania Academy of Fine Arts at night for four years.

His work caught the attention of his instructors and he earned scholarships to two world famous art centers — L'Ecole Callorossi and L'Academie Julian of Paris.

World War I interrupted his studies and he served as a pilot with the U. S. Marine Air Corps in France.

Following the war he was commissioned to paint six murals which were exhibited during the New York World's Fair of 1929-30. It was during this period he met and married Rachael Jane Hamilton, a singer with John Phillip Sousa's band and later the Arthur Pryor organization.

"Like most artists, I had my troubles during the depression and turned to commercial art for the first time," Willoughby recalled. "Since then I have devoted my time to both painting and commercial art."

As a member of the Marine Corps Reserve (he's a retired major now), he was recalled to duty during World War II and sent to California. He and his family settled in La Jolla immediately after the war.

San Diegans have seen many of his murals and portraits exhibited at shows and galleries. His biggest job was a mural (eight feet high and 46 feet long) depicting the gold rush days at Julian. It was displayed by a local store and now belongs to a small museum in Julian.

"My favorite work has always been portraits, which I paint on weekends—usually in six sittings of one hour each," Willoughby said.

Oddly enough, his favorite subjects are men.

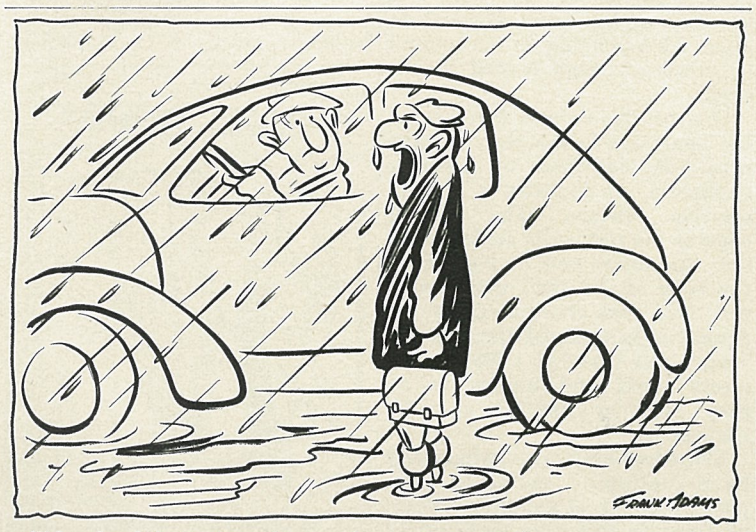
"Men are satisfied if a portrait looks like them, while women—well—they are a little harder to please," he added.

New Assignments On F-102 Announced

New assignments for two Convair SD superintendents were announced last week by A. P. Higgins, works manager at Plant 2.

E. D. Robinson becomes superintendent in charge of Dept. 60 (F-102 Wing and Tail) and Dept. 70 (F-102 fuselage).

F. H. McLaughlin assumes responsibility of several F-102 functions including fuselage primary (Dept. 72), final assembly (Dept. 30), proofing mockup (Dept. 258) and SD F-102 field operations (Dept. 301).



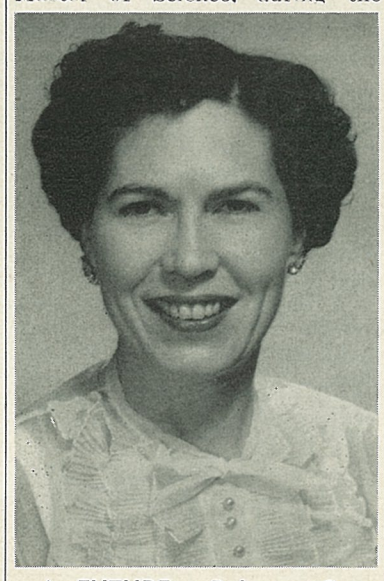
"No thanks! During th' two hours I waited for you, I decided it was such a beautiful day I'd just walk!"

Convair Pomona Woman is Noted As Metallurgist

A bright future for women in engineering is predicted by Convair Pomona's Rebecca Sparling, design specialist and staff consultant, process control and reliability.

"Opportunities for women engineers have increased almost hand in hand with the technological advances we have made in this country since World War II," Mrs. Sparling said. "The days when engineers were concerned only with the building of bridges and dams are gone. Today there are many fields of engineering in which women can work equally as well as men."

Mrs. Sparling, who has established a nation-wide reputation as a metallurgist and is a registered mechanical engineer, has been active in engineering since her graduation from Vanderbilt University, Bachelor of Arts and Master of Science, during the



A FUTURE — Rebecca Sparling of Convair Pomona, a widely known metallurgist, who sees future for women in engineering.

1930's. She is a member of the American Society for Metals, the Society for Nondestructive Testing, the Society of Automotive Engineers, and is listed in "Who's Who in the West."

Although finding a job was never a serious problem to Mrs. Sparling, at the beginning of her career she frequently had difficulty in getting people — her bosses and fellow workers—to take her work seriously.

"I soon found that I had to be extremely accurate in my work and persistent in trying to get my ideas across—much more so than men in comparable positions," she said. "Actually this was excellent training, but at the time it seemed unfair."

Women are far more readily accepted in engineering today, Mrs. Sparling believes, especially in the aircraft industry.

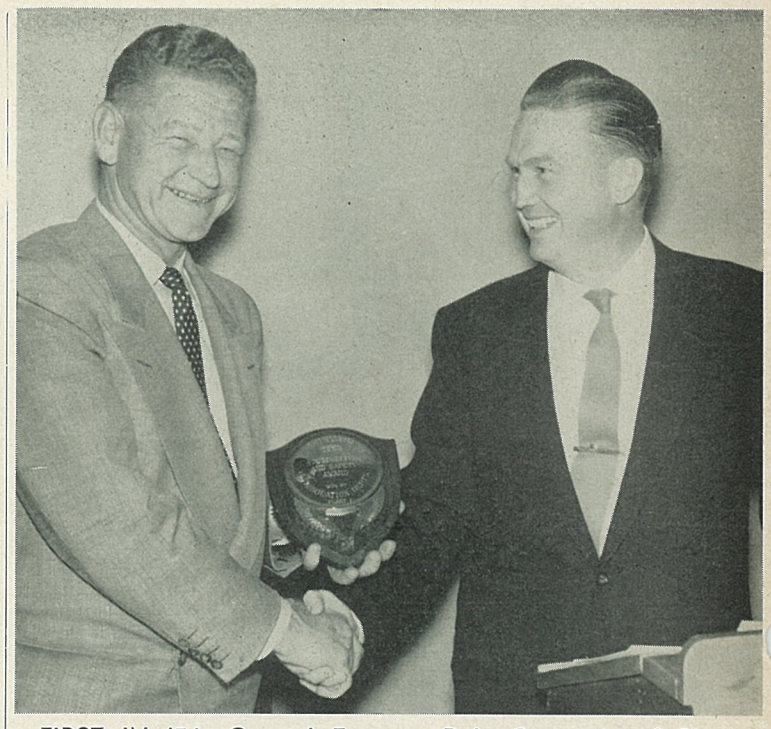
"However, there are no easy roads to success in engineering, and my advice to any young woman planning a career is to be absolutely certain she wants to be an engineer before she starts," she continued. "She can't possibly succeed if she starts with an attitude of: 'I'll try it and if I don't like it I'll quit or get married.'"

Incidentally, Mrs. Sparling believes that marriage and engineering can be "mixed" successfully, although unique problems sometimes arise. She is married —her husband, Joseph Sparling, is in Dept. 11 at Pomona—and has a son, Douglas, who plans to study engineering after he completes high school this year.

"But with careful planning and evaluation—placing 'first things first'—a career need not rule out a normal home life, and vice versa," she said.

Mrs. Sparling believes that many women who enter engineering make a mistake by trying to act masculine in an attempt to gain acceptance by male engineers.

"I have a simple little rule that I try to follow. I may at times forget that I'm a woman, but I try not to forget that I'm a lady," she said.



FIRST IN '54—General Foreman Dale Cromartie of Plant 1 fabrication at San Diego accepts top award in safety and housekeeping from B. F. Coggan, SD manager, at annual dinner. Fabrication certainly earned it, taking 11 first place housekeeping trophies during year.

Plant 1 Fabrication's Phenomenal Record For Housekeeping at San Diego Wins 1954 Trophy

Fabrication supervisors at Convair SD's Plant 1 were honored Feb. 19 at the third annual safety and housekeeping awards dinner held in the Pool View Room of the El Cortez Hotel.

Fabrication departments (101, 102, 103, 104, 110 and 115) led all other Convair SD functions in monthly safety and housekeeping contests during 1954, winning eleven monthly housekeeping trophies (an amazing performance) and five safety trophies.

Runner-up for the year was T-29 final assembly departments (35, 56 and 340).

Dale Cromartie, fabrication general foreman, accepted the award from Manager B. F. Coggan on behalf of Supt. Fred Grossher.

Experimental captured the award the first year it was presented, while manufacturing control won the award in 1953.

High Winds Add Meet Thrills

Walter Mooney and Dick Baxter of Convair SD engineering department placed second and third respectively in the second annual CRA Scale Model Contest held Feb. 26-27 on Kearney Mesa.

First place in the open class went to Robert Hill of Los Angeles, while John Ellis, John Hill and Hal Cover placed one, two, three in the junior-senior event.

Nineteen contestants took part in the two-day affair, some coming from as far away as Kingman, Ariz. More than 500 spectators were on hand to watch the contest at Aeromodeler's Field.

"High winds hampered the flying but added to the thrills of the meet," said Jim Saftig, CRA Aeromodelers commissioner and contest director. "We consider this one of the most successful meets of this type ever held."

Pomona Hams Help Bring Aid in Crash

The part radio amateurs could play in Civil Defense operations in the event of disaster was aptly demonstrated early last Thursday morning by two Convair Pomona "hams."

Fred Stahl (Dept. 6), who is radio officer for Pomona Civil Defense, and John Corr (Dept. 3), who holds the same position in the Claremont Civil Defense setup, were just leaving the home of another "ham"—incidentally they had been discussing CD matters—at 1:30 a.m. Thursday, when they heard a loud noise apparently made by an automobile wreck about a half-mile away.

Rushing to the scene they found an overturned pickup truck. Although the two occupants of the truck were apparently not seriously hurt, Stahl and Corr used the mobile radio in one of their cars to call the friend whose home they had just left. The friend relayed the necessary information to the police, and the highway patrol was on the scene about three minutes later.

Con-Trib Idea Grows

Forty-three firms operating in San Diego now have organizations for combined charitable donations for employees, such as Convair's Con-Trib-Club, Frank Pickard, chairman of the San Diego "Employees Con-Trib Federation," revealed this week. At least one concern makes membership a condition of employment.

Three Antenna Test Towers Completed

Construction of three antenna testing towers at Convair Pomona, started in October of last year, was completed last month and a formal dedication ceremony was conducted Feb. 18.

Charles F. Horne, division manager, officiated at the ribbon cutting ceremony held in conjunction with completion of the towers. Present for the occasion were George M. Robertson, chief engineer, J. L. Bowers, chief of development projects, E. R. Peterson, chief of technical services, M. A. Maury, engineer in charge of the microwaves and antennas group, and members of the microwaves and antennas group staff.

Pomona Valley Club To Host Lens Bugs

The Convair Pomona CRA Camera Club members are scheduled to be guests of the Pomona Valley Camera Club Mar. 10, according to Herb Keller, commissioner.

The meeting will be held at the Washington Park Recreation Center on South Towne Avenue in Pomona.

Willfong Chairman Of Road-E-O Show

Serving as chairman of the Teen-age Road-E-O and Custom and Foreign Car Show in Downey, Calif., Mar. 19 and 20 is Jack Willfong of Dept. 4, Convair Pomona.

This is the second annual event of its kind sponsored by the Downey Junior Chamber of Commerce of which Willfong is an active member.

The Road-E-O is open only to teen-age high school students, but the car show may be entered by any foreign or custom car owner. Entry blanks may be obtained by contacting Willfong, ext. 3128.

Convair's 'Tall Timber' Organizes For Social Events at Fort Worth

One group of Convair Fort Worth employees always have their heads in the clouds.

They're members of the Tall Timber Club in Fort Worth. It's a club for young adults, who like Topsy, just grew.

To be eligible for membership, women must be single and at least five feet 10 inches tall or more, and men must be at least six feet two inches tall—and single.

Six Convair employees are members. They are Mert Gregory, Lucy Bozeman, Glenn Nixon, Bob Davis, Ted Copeland and Bob Bledsoe.

The club is an outgrowth of a Tip Toppers Club that disbanded several years ago. Some of the members put their heads together and came up with the Tall Timber group. Their motto: "Big Things for Big People."

"And we always have a big time," said Lucy Bozeman of Dept. 82. (She's six feet tall.)

"The club is devoted only to having a good time. We bowl skate, dance, swim," she said.

Members meet the first Tuesday of each month and have socials every Thursday. Occasionally the group goes out for a big night.

"Our favorite trick is to line up the shortest one first and tallest last when we go in," said Lucy. "It really jolts some people. Especially when Glenn Nixon comes in. He's six feet eight!"

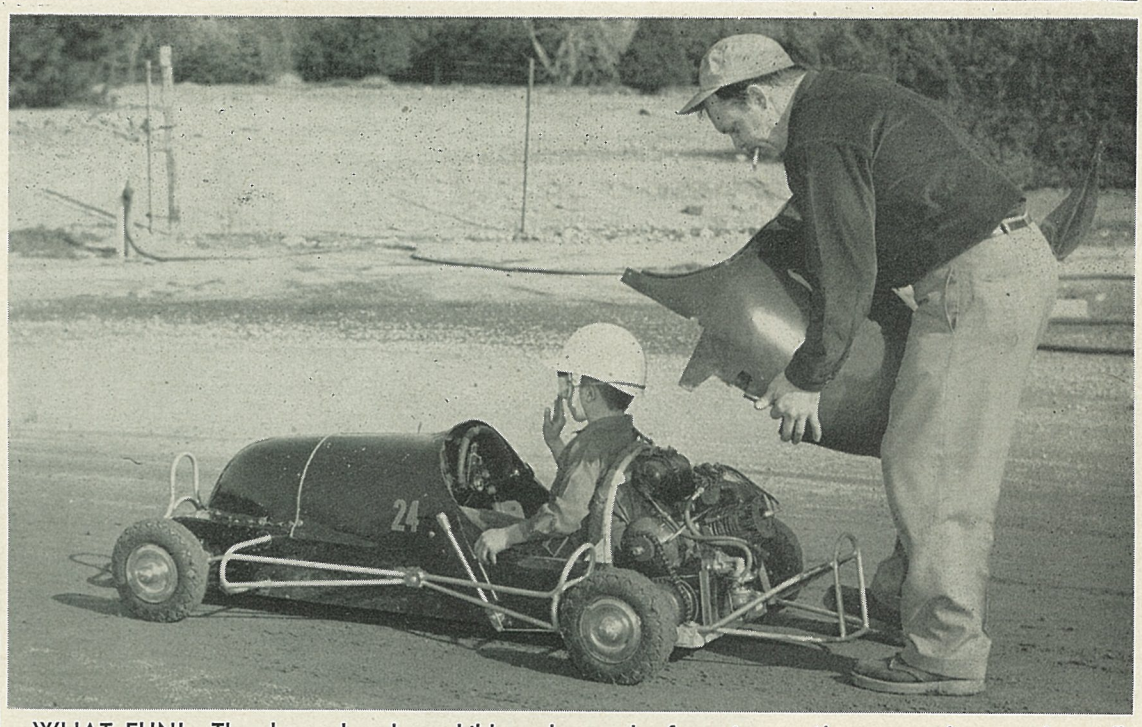
Lucy's philosophy about being tall is simple.

"If you're tall there's nothing you can do about it. You might as well make the most of it."

"There's usually a boy that's taller than any girl," said Lucy. "And there are more than enough boys to go around."

The club is looking for new members and Lucy invited all of Convair FW's "Tall Timber" to seek further information from her after working hours at WI-3026, or from Ed Vitasek at VA-0157.

CAN'T QUALIFY—Dorothy Brunson doesn't quite add up to height of 6' 8" Glenn Nixon—even though she's standing on a box. This long-legged group are members of Tall Timber Club in Fort Worth.



WHAT FUN!—The days when boy children dreamed of ponies as the super ultra—and usually unattainable—goal in life are passing away. Now it's racing cars. Jerry Preston of Dept. 6 at Pomona prepares son Tommy for a spin.

'How to Do Its'

Convair SD Husband-Wife Team Creates Novel Tots' Textbook

A new textbook for the very young, written by a Convair SD husband-wife team and featuring a Convair daughter, began rolling off the presses late last month.

"Your Kitten" is the first of a series of four "how to do it" readers for first grade pupils planned by Pauline (Dept. 350) and Lawrence (Dept. 258) Foster. Featured is five-year-old Suzette Martino, daughter of Al Martino of Dept. 406 at SD.

Suzette was the model for pictures demonstrating how to care for her kitten. These pictures were taken by Foster and used by a commercial artist to make illustrations which appear throughout the book.

Mrs. Foster was a first grade teacher in public schools for almost a decade before joining Convair SD. She hit on the idea for the series about five years ago and her husband, also a teacher, agreed to make the necessary pictures. However, they gave up their teaching careers and started to work for Convair SD before they found time to finish the first book.

"Most primary readers have a limited vocabulary because they repeat phrases and words over and over," Mrs. Foster said. "Our idea was to include more words and to simplify reading by close association between the text and illustrations."

It took a year to finish the first book and another year to get it published. Mrs. Foster wrote the text and mapped out the general theme of the pictures. Foster and Suzette team with the kitten to produce the required pictures.

"Suzette was a wonderful model and the kitten was a natural 'ham,'" Foster said. "Our only trouble was in making all of the pictures before the kitten became a cat!"

Their second book is titled "Your Puppy." It was completed recently and is now scheduled for publication in February, 1956. Steven Lashlee, 8, son of Ernest Lashlee, Dept. 524, was the subject for the pictures. "Your Parakeet," the third of the series, is now in the preparation stages with Suzette as model. The fourth will deal with tropical fish and feature one or both of the youngsters.

The Fosters plan to offer their textbook to schools, libraries, Parent Teachers Associations and other non-profit organizations for use in teaching.

TEXTBOOKING—Convair SD's Mr. and Mrs. Lawrence Foster, shown with Convair children Suzette Martino and Steven Lashlee. Youngsters are models for illustrations in forthcoming textbooks written by the Fosters.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

★ ★ ★

Air Force ferry pilots fly away with first T-29 to leave San Diego.

* * *

E. D. Shannon and R. C. Loomis named as pilots as Convair awaits first taxi testing of XP5Y-1.

* * *

Steve Ames of Dept. 31, who scratched his name inside a Swissair Convair-Liner, gets a letter from a Swiss mechanic named Tony Zust, wishing him well.

* * *

Current work on Convair Turboliner recalls XP-81, Frank Davis' test flying and Jack Irvine's designing.

* * *

Ninety-three Convair FW men belong to active Air Reserve.

* * *

FW's Dept. 30 operates full year without disabling injury.

* * *

Marceau Coven of Dept. 101 SD catches a 40-pound, eight-ounce halibut off Coronado Islands, fishing at depth of 150 feet.

* * *

Roy Harrison of Dept. 27 FW wins veterans doubles honors in Southwest Badminton Championships.

* * *

New work stations placed for field operations at FW. New electronics building at north end of Grant's Lane virtually complete but awaiting installation of equipment.

* * *

E. G. Stout, SD authority, tells Texas IAS chapter progress is being made toward supersonic seaplanes.

MOTHER OF AF OFFICIAL DIES

Funeral services were held Feb. 28 in Colfox, Tex., for Mrs. Alta Berryman, 75, mother of Robert G. Berryman, Air Force contracting officer at Convair Fort Worth.

Real Drivers

Youngsters Under 12 Thrilled By New Race Sport at Pomona

What boy between the ages of four and 12 wouldn't be happy with a real racing car, powered by a real gasoline engine and scaled down to just the right size?

Put that boy into real competition with a half dozen others of his same age, on a real racing track, and if he's normal he should feel like the luckiest boy on earth. And that just about describes how a dozen or more Convair Pomona boys feel, for they own, or soon will own, cars like that, and they soon will be racing on their own track.

At least their fathers are working toward that goal. Last month a quarter-midget club—the small cars are built to one-fourth scale of actual midget racing cars—for Convair fathers and sons was formed at Pomona. The club will sponsor regular races, assist in procuring plans and materials for the tiny cars, and otherwise promote quarter-midget building and racing.

"We all feel that the quarter-midgets are an ideal means of establishing better father-and-son relationships," G. F. Preston (Dept. 6), president of the new club said. "Most of the fathers either build or help build the cars, usually in backyard workshops, and the sons usually help out in one way or another.

"Then when the cars are completed, the fathers—or some other close relative—are always on hand to serve as pit crews for their sons when races are in progress," he added.

The tiny cars are powered by small one cylinder gasoline engines rated at about two horsepower or less. These power plants, inadequate as they may seem compared to regular automobiles, actually give the quarter-midgets better weight-to-horsepower ratios than real midget racers, Preston said.

"Acceleration is tremendous, and quarter-midgets have actually been clocked on the street at speeds over 30 miles-per-hour," he continued. "However, in actual races the speeds rarely exceed 15 or 20 miles per hour on the straight-away. This may sound slow, but on the small circular tracks—they are usually around one twentieth of a mile—it is plenty fast.

"Quarter-midget racing may sound dangerous to some parents, but actually our safety record is outstanding," he said. "Although the young drivers may sometimes 'spin out' while attempting to take a curve too fast, and a youngster may occasionally suffer a minor bruise, a quarter-midget driver has never yet been seriously injured."

There are several reasons for this good safety record. All cars are thoroughly inspected by a safety committee prior to each race, and all drivers must wear safety belts and helmets. Also the cars have such a low center of gravity that it is impossible for one to overturn. And to cinch the matter, the adults on hand keep a close watch while a race is in progress and reckless drivers are warned and sometimes even barred from races.

"We believe that quarter-midget racing is excellent driver training, and the kids catch on rapidly to the tricks of recovering from skids and spins, etc. Girls also try their hands at driving in the races—and they frequently win," Preston said.

Other officers in the new club include D. E. Cox (Dept. 31), vice-president; Mrs. M. V. Cox, secretary-treasurer; and Preston, Cox, B. J. Rawson (Dept. 31), T. M. Willey (Dept. 31), C. W. LeGault (Dept. 42), and C. F. Ayres (Dept. 72), members of the board of directors.

Next meeting of the club is scheduled for 2 p.m. Sunday (March 13) at the CRA Recreation field, north of Building 4. Anyone interested is invited.

"Cars can be built for as little as $200, or perhaps even slightly less," Preston continued. "The engine and wheels are the big items. The amount of work done at home, the ingenuity of the builder, and the type of materials used are the main factors in determining the final cost."

Attend Conference

The preservation and packaging committees of the Aircraft Industries Association met at Western Hills Hotel in Fort Worth March 3-4. Representing Convair were S. E. Keith Jr., chief of traffic; Lawrence Armstrong, of shipping; and R. C. Gray, also of shipping.

Rivets

Every once in awhile someone in Convair goes far beyond the call of duty to give **Convairiety** a lift.

This week our bouquet goes to **Connie Meyer,** secretary to **Frank Fink,** SD chief engineer.

Realizing that while she was on vacation **Convairiety** might have trouble in identifying the photos of a half dozen engineers recently photographed during service pin presentations, Connie carefully typed out all the pertinent information, names and dates, and included a description of the clothes each one was wearing. She mailed it before she left and identification was a cinch.

A real thoughtful gal.

* * *

As a man who has faith in humanity, we salute **James Shepherd** of Dept. 603 at Plant 2, second shift. He found his freshly painted grey Buick special (1950) was banged up a bit when he returned to it in the Plant 2 parking lot Feb. 12. He asks **Convairiety** to request the other driver to get in touch with him at ext. 1535.

* * *

When **Lavern Shaw** of Charactron project was ill, **Tony Madruga** was dispatched to her home to get the keys to office files. Lavern, not wishing to answer the bell, left a note: "Keys under mat." Tony got the keys but left the note on the door and since then the Charactron boys have been wondering how Lavern explained it to her husband.

* * *

Five times **Russell Adams** of Dept. 25 has heard his doctor say: "Congratulations, a fine baby girl!"

March 1 the law of averages caught up with him. A boy, at last!

* * *

R3Y has come to mean something mysterious and important to the children of **Loraine Holland,** a stock clerk on that project for some three years. One day recently during lunch Pamela, seven, a first grader announced:

"I like orange juice because it has vitamin C in it."

Larry, who is four, at this point felt called upon to counter attack with a statement of even greater significance. So he informed his mother:

"I like sweet milk because it has R3Y in it!"

* * *

One of these fine days **A. E. Daugherty** of Dept. 31 is going to have one heck of a battle with his conscience. If he keeps on firing that 20 mm in engineering tests at Camp Elliott (see story elsewhere in this issue) it will be inevitable.

Daugherty is a hunter, you see. And he likes venison. And the first day at Camp Elliott he flushed a four-point buck.

Sooner or later that buck, or another, will show up and there's just no telling if Daugherty will be able to continue to concentrate on business. That 20 mm is liable to fire a leetle wide, just by mistake.

A NIGHT OUT—Convair SD's Mary Andrews (Dept. 1-71) does a fine job of modeling in this photo, taken at CRA Fashion Show March 1 at Mission Valley Club. Show played to a capacity house.

'SRO' Sign Out as SD Women Pack Club for Fashion Show

Convair SD's first CRA Fashion Show played to a capacity house March 1 at Mission Valley Country Club.

More than 500 Convair women and their guests attended the show, sponsored by the Women's Activities Division of CRA.

"We were so delighted with the response to our first venture of this type that we are making plans now for a fall show," said Martha Woodberry, CRA commissioner.

Spring fashions were presented by three La Mesa shops: frocks by Lady Gay Shoppe, hats by La Femme Shop, and hair styles by John & Greg's Beauty Salon. Commentator for the show was Molly Morse. Music was furnished by the Eleanor Hutton Trio.

Convair girls modeling were: Mary Andrews, Dept. 1-71; Catherine Chase, Dept. 2; Janet Baldauf, Dept. 1-41; Wanda Rose, Dept. 403; Elizabeth Gerding, Dept. 1-71; Glenys Sears, Dept. 5, and Jeanette Smith, Dept. 11.

Door prizes were awarded and dessert and coffee served following the show. Mildred Herman, Dept. 1-23, assisted in the drawing.

"Our special thanks go to Glenys Sears and her arrangements committee who worked so hard on planning and arranging the show," Commissioner Woodberry stated. Assisting Mrs. Sears were Mrs. Rhea Berardini, Mrs. Mary Helen Crosthwaite, Mrs. Floy Minter and Mrs. J. K. Field.

"We also want to express our appreciation to the Convair girls who modeled, to Mrs. Ardena Cantrell of the Convair Garden Club, who made the corsages, to E. F. Feeney of Davidson Brothers, and to all the others who helped to make the show possible."

* * *

Miss Robley Baskerville will continue with her lecture series at the next Convair Ladies Night April 5 at the House of Hospitality, Balboa Park.

Sports Car Drivers Win Rally Honors

Sports car drivers representing Convair SD won their share of laurels during the fifth annual Don Diego Rallye held in San Diego Feb. 27.

Three teams of three cars each represented the CRA Sports Car Club, winning second, fourth and seventh place in the meet. Some 150 cars from all parts of California took part.

Next event scheduled by the club is a "Gymkhana" tentatively set for March 27.

Rockhounds Return To Geode Beds Soon

Convair San Diego Rockhounds plan a return trip to the Hauser Geode Beds the weekend of March 19 and 20, Dan Whorton, CRA commissioner, announced this week.

"We found such excellent specimens of fire agate on the last trip that our members requested the return visit," Whorton said.

The caravan will again camp at Coon Hollow. All Convair employees are welcome. Additional information may be obtained from Jack Benedict, ext. 395, Plant 2; Hal Leppart, ext. 1634, Plant 1, or Whorton, ext. 426, Plant 1.

Model Boat Fans to Hear Fiberglas Talk

Fiberglas boats—the model type—will be the principal topic of discussion when model boat fans meet at 7:30 p.m. tomorrow (March 10) at the Conference Building, Balboa Park.

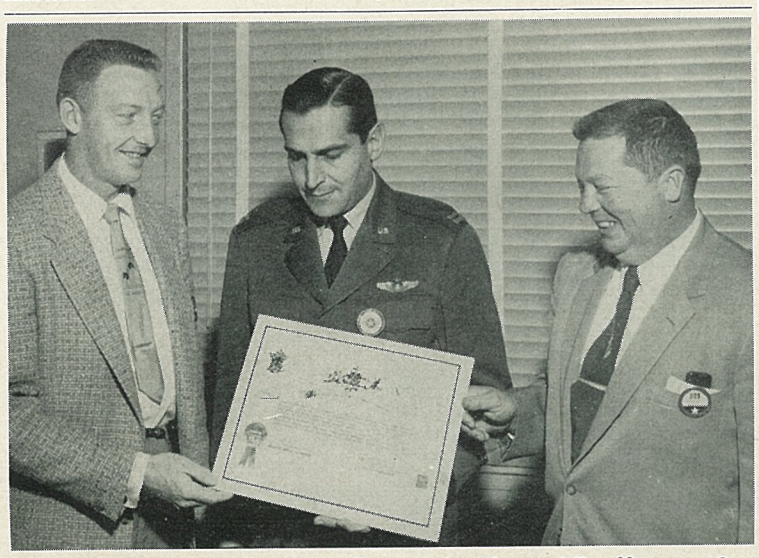
Ralph Norris (Dept. 31) will talk on Fiberglas and will display a number of powered models. Any CRA member interested in model boats is invited to attend.

Tropical Fish Club To Hold First Meet

The first meeting of the Tropical Fish Club will be held at 7:30 p.m., Monday, Mar. 14, in Room 8 of the Conference Building, Balboa Park.

Care and breeding of tropical fish and plants, building and care of tanks and swap-shop for specimens and tanks are among subjects on the club's agenda.

All Convair employees and their families are invited.



FIRST FOR AF—First Air Force pilot from AF office at San Diego to be checked out in F-102 is Capt. Don Butterfield, center above, who will fly acceptance on production models. Pilot Rex Warden, left, and Flight Engineer Lanny Rice are presenting him with certificate of membership in F-102 "fraternity" called SWOOSH (special, wonderful order of super highflyers!) It was a gag thought up by production flight training section.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second Tuesday and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Monthly field shoots second Sunday of month, 9:30 a.m., Gold Gulch. Instruction Saturdays 10 to 12 a.m. Equipment available. For additional information contact Bing, ext. 513, or evenings at CY 6-1863.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin); Tuesdays: 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 583 or 411, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse. More male voices wanted.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meeting tonight (Mar. 9), 8 p.m., Floral Association Bldg., Balboa Park. James Kirk of San Diego Rose Society will lecture on roses. Refreshments and door prizes.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 538 or 501, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month at Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1. Registration during Easter vacation.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates, Rio Theater, 3721 University Ave., for Convair employees, their families and friends, each Tuesday, 7 p.m.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Mar. 10) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 580, Plant 2. Class schedule: Mondays, adults 7:30 p.m., Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate 12 noon; advanced 1 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658. Next meeting Mar. 12.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Convair employees and their families each Saturday, 2 to 4:30 p.m., at Skateland, Front and G, 25 cents per person. Admittance by presentation of club membership card. Cards available at Employee Service, both plants.

SKIN DIVING—Bob Hutson, commissioner, ext. 376 or 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235; all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Mort Rosenbaum, president, ext. 1381, Plant 1. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave. March 22 deadline for registration in beginners class.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—Convair swim night at Mission Beach plunge, Saturday, March 12, 7 to 9:30 p.m., for employees and their families. Tickets available at Employee Service, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1571, Plant 1.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Miss Robley Baskerville will lecture at Ladies Night, April 5, House of Hospitality, Balboa Park.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego for Convair employees and their families.

Friday, March 11: TOMAHAWK (color) Van Heflin and Yvonne DeCarlo.

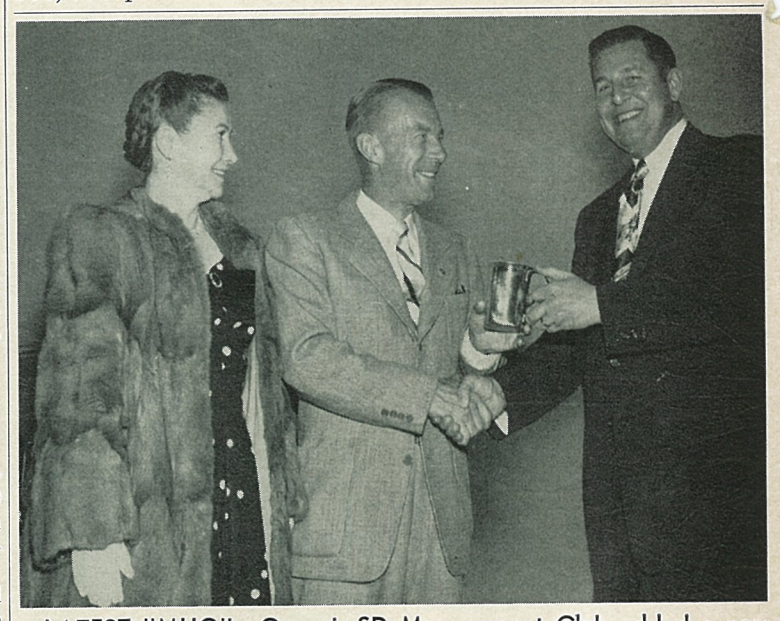
Friday, March 18: MEET ME AT THE FAIR (color) John Daily, Diana Lynn.

★ ★ ★ ★ ★ ★

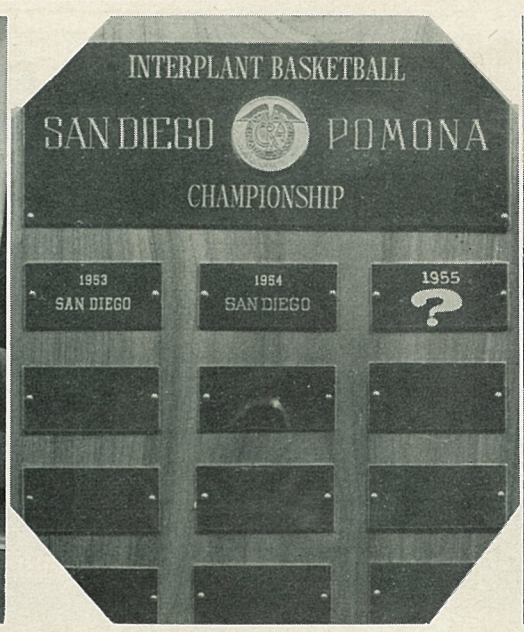
Bargain rate movies every Tuesday evening at Rio Theater, 3721 University Ave., for Convair employees, families and guests. Admission: adults 25c, children 10c.

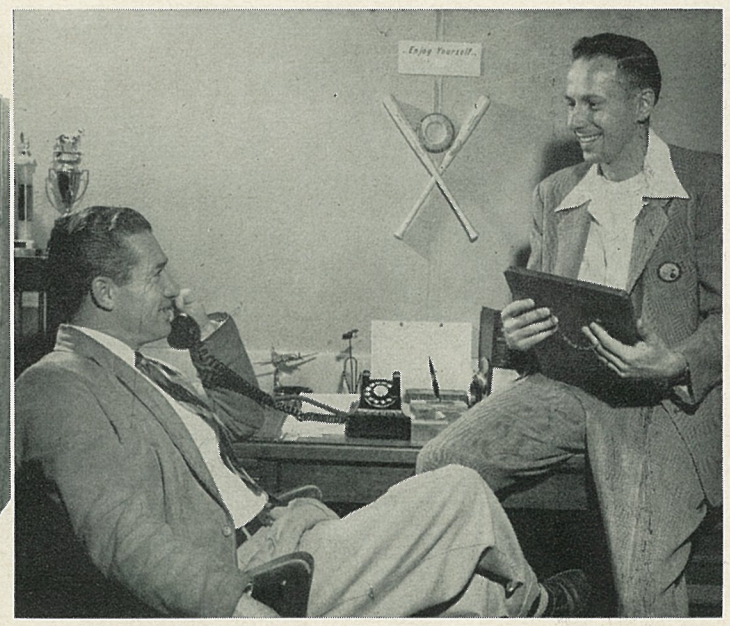
Tuesday, March 15: TREASURE OF THE GOLDEN CONDOR (color) Cornel Wilde, Constance Smith. CARNIVAL STORY (color) Anne Baxter, Steve Cochran.

Tuesday, March 22: NIAGARA (color), Marilyn Monroe, Joseph Cotten. HALF A HERE with Red Skelton.



LATEST "MUG"—Convair SD Management Club added a new feature to presentation of its "Mug o' the Month" award last month by inviting the wife of the individual honored. Shown is Duke Rogers, right, presenting mug to Jack Kline of field operations, with Mrs. Kline.





MATCHMAKING—Laying plans by telephone for annual inter-division basketball tilt are CRA Commissioner Leon Carver of Pomona, left hand photo, and CRA President Gil Crosthwaite of San Diego, at right. With them are team captains Jim Drew, at left, and Dick Excell, at right. Inset shows plaque which will be at stake. San Diego has won it twice in a row. Teams will meet March 18 at Municipal Gym, San Diego.

Golfers' Scores Soar in Winds

High winds and damp greens and fairways played hob with scores as Convair SD golfers took part in the CRA medal play sweepstakes Feb. 26-27 at Tijuana Country Club.

Jim Robertson's 76 won low gross honors in the 0-12 handicap division. Ron Hinrichs took low net honors with a 67, while C. Jackman and Ralph Long placed third and fourth.

Other divisions and their winners in order included:

Handicap division 13-18: low gross, Walt Rye; low net, Ed DeLoury and Dan Ramirez (tie); Dave Zatarin and Dwight Minor (tie).

Handicap division 19-24: low gross, Claude Main; low net, John Sawicki, first, Stan Womack and Jim Barron (tie).

Handicap division 25-up: low gross, Charles Kushera and Bill Witzell (tie); low net, Lynn Kline, Jack Viskil, Will Luppke.

BAGGED—W. U. Gatterman of Dept. 102 at SD holds javelina he killed in Superstition Mountains near Phoenix, Ariz. Pig was running when Gatterman fired his .220 caliber rifle from 150 yards. One shot was enough. Animal field dressed at 45 pounds. Gatterman was only one of several Convair Gun Club hunters to "bring home the bacon."

SD's Delta Divers To See Water Film

Convair SD's Delta Divers will see two underwater movies when they hold their regular monthly meeting March 22 at CRA Clubhouse beginning at 7:30 p.m.

"Coral Wonderland" was filmed in Australia's famed coral barrier. A French film titled "Shipwreck" is the other movie.

Sports

Pomona Sending Strong Entries For Annual Hoop Tests at SD

Convair SD will host two of the strongest basketball teams ever to represent Convair Pomona March 18 in a special twin-bill cage battle at Muni Gym with the perpetual inter-division trophy at stake.

The first game at 7 p.m. will pit the Mishaps, first Pomona cage team to complete an entire season without a defeat since the organization of the plant loop three years ago, against the winner of the Convair SD plant league playoffs.

The second game (with the trophy at stake) will send Pomona's twice-beaten Civic League team against the Convair SD Eagles, winners of the San Diego Industrial (A) League.

However, Convair SD's entries in the inter-division battle still have important games to play before the March 18 attraction.

The Eagles are due to meet the winner of the "B" section of the Industrial League for the San Diego County Industrial championship. The best-two-of-three series likely will be played this week.

Meanwhile, Dept. 522 seemed a sure winner in the Friday section of the plant league and Dept. 603 should win the Tuesday section in final games this week. Thus both teams will carry undefeated records into a best-two-of-three series slated to open March 14 at Muni Gym. If one of the teams should win two straight, the March 18 inter-plant game will pit two unbeaten teams against one another.

CLUB KEGLERS—Convair SD Management Club bowlers pose on occasion of competition in annual NAF tournament. There were enough contestants to form 14 teams.

Art King to Conduct Novice Golf Clinic

Convair's Art King, San Diego County amateur golf champion, will conduct a special golf clinic for members of the Industrial Recreation Council (CRA is a member) at 7:30 p.m. March 15 at the Conference Building, Balboa Park.

"King will demonstrate the basic fundamentals of golf for beginners," said Pete Beyrer, IRC president. "The clinic is free and open to any CRA member."

Another Swim Night Coming March 12

The second Industrial Recreation swim night of 1955 for Convair SD folk will be held Saturday, March 12, at the Mission Beach Plunge from 7 to 9:30 p.m. Tickets are available at employee service at both plants.

"Due to constantly growing participation in these events, the council has found it advisable to divide their membership into two groups," said Pete Beyrer, IRC president and CRA commissioner.

"We feel this will help materially to reduce the number of participants on any one night and afford more pleasure to Convair swimmers."

Jim Stevens' 265 Game Paces SD Management Club Keglers

Jim Stevens (Dept. 55) rolled a remarkable 265 scratch game to pace Convair SD Management Club in their section of the National Association of Foremen's seventh annual telegraphic bowling tournament Feb. 27 at Tower Bowl.

Winners in the Convair SD event will be automatically entered in the NAF, Zone A, competition and the national (NAF) tournament. Results of the latter events will not be available for several months.

Stevens' 193-265-181 series was also tops in scratch and handicap series. However, contestants were limited to only one first-place award.

Mal Doerr won the high handicap series with a 664. Art Braidic won high series (scratch) honors with a 576 and O. Stockton's 265 took the high handicap game award.

The Pin Busters (Doerr, M. Valin, E. Alman, V. Laird, D. Mansfield) won team honors with a 2,703-pin scratch total and a handicap total of 3,093 pins. Fuselage (Stevens, L. Sage, L. Denny, C. Clark, W. Moyer) finished second with a handicap total of 3,061 pins.

Trophies were presented to individual and team winners. The contest was conducted by a committee headed by Leo Denny and including Mike Valin, Mike Brooks and Jim Hayman.

Holloman Shooters Stage First Contest

Convair Gun Club activities at SD spread across two states last month with the staging of the first shoot for Convair employees stationed at Holloman Air Force Base, New Mexico.

Twenty-five spectators were on hand to watch 10 contestants competing in a small bore rifle shoot at the Alamogordo National Guard range Feb. 12.

E. O. Babb won a gun cleaning kit for the best score of the day and Gary Landy, son of Al Landy won the attendance door prize.

Glenn C. Goss is coordinating activities of the group, which is affiliated with the SD Gun Club. Plans are being made to hold regular shoots with competition for large and small bore rifles, trap and pistol. Tentative plans are being made to erect a private range for the group's members.

Keg League Formed For Convair Wives

Latest Convair bowling league is the Convair Wives Bowling League, composed of wives of Convair SD employees working at Edwards AFB and Palmdale.

Officers of the new league are: Mrs. James Cheek, president; Mrs. Charles Downs, vice president; Mrs. Gordon La Fond, secretary-treasurer; and Mrs. Weldon Jump, sergeant-at-arms.

Other committee members appointed for this season were: Mrs. Charles Alson (chairman), Mrs. Ralph Vernor and Mrs. C. L. Roberts, rules; and Mrs. Paul Brock (chairman), Mrs. Joe Guss and Mrs. Lyle Barnes, prizes.

The league now numbers 15 members and rolls on Mondays at 2:30 p.m. Those interested in joining may contact Mrs. Cheek at 1239M or Jonnie Downs at 1914R, Lancaster.

READY TO ROLL—Convair SD Sports Car drivers line up with Plant 1 in background prior to Feb. 13 cross country tour. George Williams of Dept. 524 (driving a Jaguar XK-120M) was winner in estimating fuel consumption. He forecast 17.25 miles per gallon and actual turned out to be 17.56. Jaunt covered 206 miles. Drivers and passengers took time out for picnic in Fallbrook.

ONE, TWO, THREE, FOUR, TESTING—Convair aircraft are not alone in tests being conducted at Fort Worth relative to the B-36 and the B-58. At top right is the F-84F, used in conjunction with Convair's GRB-36. At top left is F-89, Scorpion, being used in pre-B-58 tests. Lower left is B-29 and lower right is Convair C-131B (flying electronic test bed). Planes are maintained by development department crews and used by engineering flight test.

Navy, Air Force, Convair Pool Ideas For Barrier To Protect Jet Planes

The Navy and the Air Force and Convair, too, all contributed ideas for a newly installed "runway arresting barrier" at Lindbergh Field, San Diego, designed as a safety measure for jet planes such as the F-102 during high speed taxi runs.

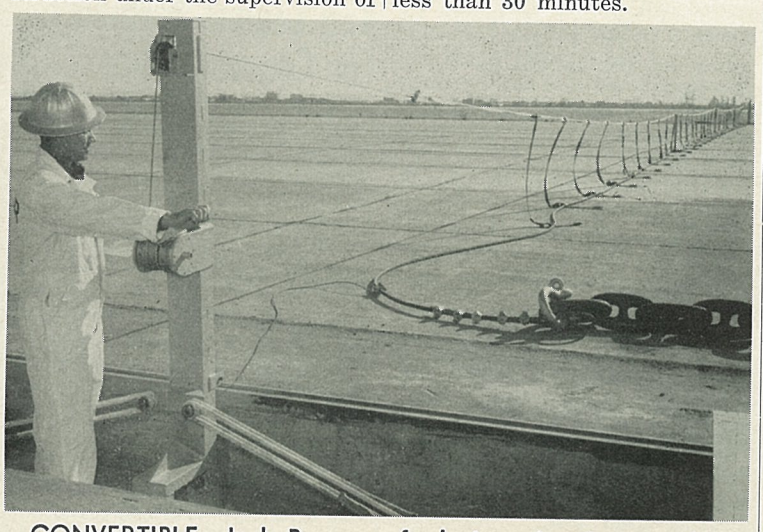
Before working out the final design, Herbert Swanson and L. S. Young of SD's plant engineering studied similar installations on Navy carriers (they landed aboard one 75 miles at sea off San Diego, flying in a Navy plane) and at Air Force fields.

"Flying out to the carrier was quite an experience," Swanson said. "There was a 40-knot wind and 20-foot swells and a driving rain. That was when I developed a strong personal admiration for Navy pilots."

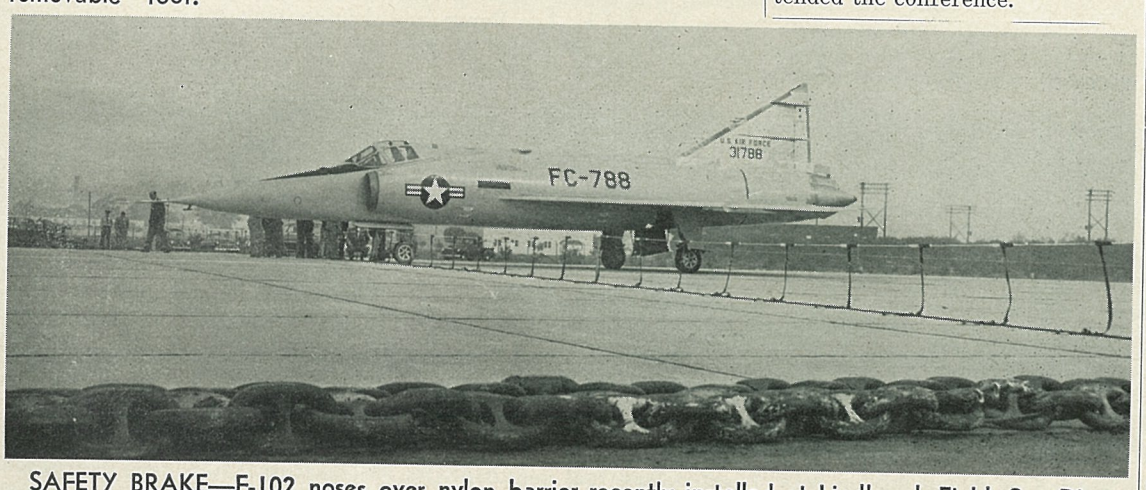
Result of the studies and construction under the supervision of H. A. Smith, SD chief plant engineer, is the only such barrier of its type on a commercial airport in the U.S. It looks something like a tennis net minus the mesh. But it is fashioned of strong nylon and steel cable. At each end the barrier connects with heavy anchor chain, totaling 30 tons. So, if an interceptor runs into the barrier, the nylon cord catches in the nose wheel and the steel cable engages the main landing gear. From then on, the airplane is dragging chain.

The barrier is four feet high and 200 feet long. It is "demountable" and is used only when speed taxi tests are in progress. The posts at each end fold into trenches in the concrete which in turn have metal "roofs" to give an even surface when the barrier is not in use.

The barrier can be erected in less than 30 minutes.



CONVERTIBLE—Jack Burrows of plant engineering stands by new barrier. When not in use, posts disappear into trench with removable "roof."



SAFETY BRAKE—F-102 noses over nylon barrier recently installed at Lindbergh Field, San Diego, which would halt plane if necessary at end of high speed taxi run. Nylon rope is designed to catch nose wheel.

FW Employees Get Community Tribute

Convair Fort Worth employees were on the receiving end of community honors last week when United Fund paid tribute to organizations with outstanding records on behalf of charitable and civic agencies.

Convair Employees Con-Trib-Club, Inc., was among organizations recognized as "excellent" by the award of a plaque at the annual awards dinner. The plaque was accepted by Tom Croft, employee service supervisor, on behalf of the organization.

A UF "Oscar" also went to Marion L. Hicks, Convair Fort Worth assistant manager, for his work as chapter plan co-chairman since United Fund was set up in Fort Worth three years ago.

After Due Thought He Took the Job . . .

Jesse R. Blanchard of Delight, Ark. is a deliberate man and not one to make snap decisions.

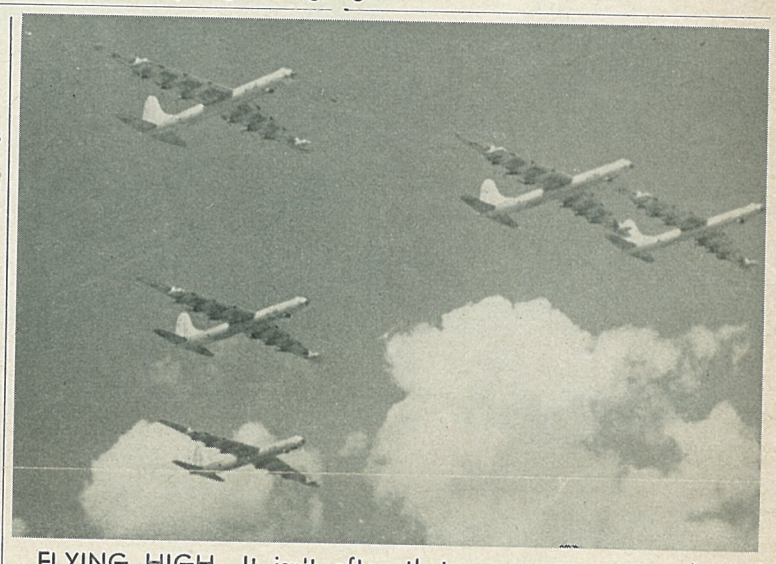
After pondering an offer of re-employment at Convair Fort Worth, Blanchard last month wrote FW Employment Supervisor Fred Gignilliat that he would accept.

The employment offer was dated June 26, 1947.

Bodley Speaker For Houston University

H. A. Bodley, engineering personnel representative at Convair Fort Worth, was a guest speaker at the University of Houston's seventh annual Career Day last week.

Bodley acted as moderator for a panel discussion on "The Importance of Mathematics in Multiple Fields." Approximately 250 representatives from business and industry in some 13 states attended the conference.



FLYING HIGH—It isn't often that cameramen get a shot of B-36s in formation, unless at an "air show" or like event. This one was taken by Bob Vollmer, Convairiety Fort Worth editor, with a Leica.

'Reliable, Spectacular,' Used to Describe B-36

Hanson Baldwin, military affairs writer for the New York Times, last month paid tribute to the Convair B-36, following a visit to Fort Worth.

Admitting that the big bomber has justified the faith of the Air Force, he spoke of it as "a reliable and in some ways spectacular instrument of modern strategic air warfare."

"The B-36 has increased its altitude, speed and load-carrying capabilities," he wrote. "It can climb to altitudes approximately equal to those that can be attained by its more modern jet sisters, altitudes at which fighters perform sluggishly, wallow, lose control and fall off . . ."

Mentioning that credit for the B-36 belongs primarily to Fort Worth, home of the Convair plant which built it and of Carswell AFB and the Eighth Air Force which flies it, Baldwin said that combat crews have learned to get the best out of "one of the most complicated instruments of war ever built."

Baldwin speculated that the B-36 may be the last of the "world's great bomber heavyweights."

"The Boeing B-52 which is now envisaged as the possible successor to the B-36 will also be a heavyweight — a faster, swept wing, all jet, not much lighter than the B-36," Baldwin continued.

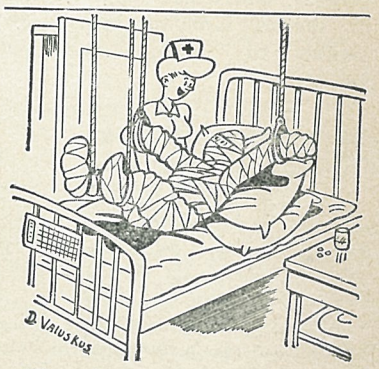
"But it is an open secret here in Fort Worth that two of the projects on which the Convair plant is now working may eventually result in smaller aircraft. The Convair B-58, potential successor to the Boeing B-52, but still some years away, will probably be much smaller . . ."

Research Committee Holds FW Meeting

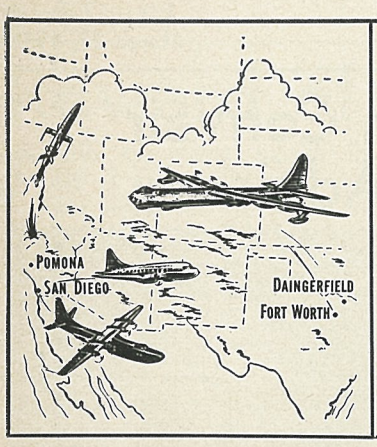
The Convair manufacturing research committee, made up of representatives of tooling and test departments at three Convair plants, met in Fort Worth, March 2. Also present were representatives of Canadair, another member of the General Dynamics group.

R. A. Fuhrer, Convair Fort Worth chief tool engineer, acted as host.

Among those present: T. E. Piper, J. L. Kelley, Convair general offices; R. J. Higman, J. J. Waller, Canadair; A. E. Hill, S. R. Carpenter, D. B. Acker, San Diego Plant 1; A. T. Seemann, Pomona; W. P. Woods, M. C. Copold, San Diego Plant 2; and H. W. Hinckley, N. H. Simpson, T. Love, G. R. Gordon, G. Savage and Fuhrer from Fort Worth.



"Promise me you won't leave your bed?"



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Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

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San Diego EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.

Emergency Response Restores Convair SD Blood Bank Credit

With Convair San Diego's Blood Bank credit at a critical point—34 pints in the red, in fact—an emergency solicitation in engineering last week brought more than enough to accommodate the bloodmobile on its March 17 visit and restore credit standing.

Early volunteers fell far below the needed number but an emergency call issued by C. F. McCabe, SD assistant chief engineer, brought 125 more offers from Depts. 6 and 31 than were required.

"The prompt response was very gratifying," J. K. Field commented, speaking for the Convair employees Blood Bank committee. "It brought our credit back to the level that is absolutely necessary to meet the requirements of Convair people in need.

"We require about 120 pints a month to operate. We can't accept much more at any one time, because whole blood will keep no more than 21 days, after which it cannot be used except for conversion to plasma. That is why we must have comparatively frequent bloodmobile visits."

(Continued on Page 2)

New ID Cards For Convair in Prospect

Convair is contemplating the vast task of bringing ID cards up to date, with recent photographs of the holders and the proper company name of Convair, a Division of General Dynamics Corporation.

First to take active steps is Convair Fort Worth where a camera-equipped industrial security team is at work in the plant area and ultimately will shift to office areas. Similar programs are in the mill for San Diego and Pomona, though subject to some changes which Fort Worth experience may indicate.

Top Scientists Form New Research Team As Convair Advisors

New additions to Convair's research team were announced last week which included a dazzling list of internationally known scientists.

First public indication was an announcement by John Jay Hopkins, chairman and president of General Dynamics Corporation, of the appointment of Dr. Frederic de Hoffmann, prominent nuclear physicist noted for his work on the atomic and hydrogen bombs, as Convair assistant vice president for nuclear planning.

Two days later Hopkins announced the engagement of 14 other distinguished scientists as members of a consultant staff.

Dr. de Hoffmann, who will work with Thomas G. Lanphier Jr., Convair vice president for long range planning, has been connected with Los Alamos Scientific Laboratory since 1944. Regarding his appointment, Gen. Joseph T. McNarney, Convair president, said:

"Dr. de Hoffmann's appointment re-emphasizes the vital interest Convair and General Dynamics have in the field of nuclear power . . ."

Born in Vienna, Austria in 1924, Dr. de Hoffmann moved to England in 1939, attended London University and later Harvard where he held several fellowships. He became a naturalized U. S. citizen in 1946. He has been high in atomic science circles for a number of years, served the Atomic Energy Commission and at various times has represented the U. S. in conferences with the United Kingdom and Canada.

NUCLEAR PLANNER — Dr. Frederic de Hoffmann, who is joining Convair as assistant vice president for nuclear planning.

The 14 scientists, who will act as consultants to Convair, have been recruited from the nation's leading laboratories and universities. They are, with their special fields:

(Theoretical Physics)

DR. HANS BETHE, professor of physics at Cornell University, one of leading nuclear theorists in U.S.

DR KENNETH M. CASE, associate professor of physics at University of Michigan. Former staff member at Los Alamos.

DR. CHARLES L. CRITCHFIELD, professor of physics, University of Minnesota. Among other projects, directed cosmic ray research and high altitude balloon program.

DR. MARK M. MILLS, chief of theoretical physics division, University of California Livermore Laboratory. Specialist in jet propulsion, nuclear weapons design and effects.

DR. EDWARD TELLER, professor of physics and associate director of Radiation and Livermore Laboratories, University of California. Former assistant director of weapons development at Los Alamos.

DR. JOHN A. WHEELER, professor of physics, Princeton University. Directed special research group on thermonuclear problems in collaboration with Los Alamos.

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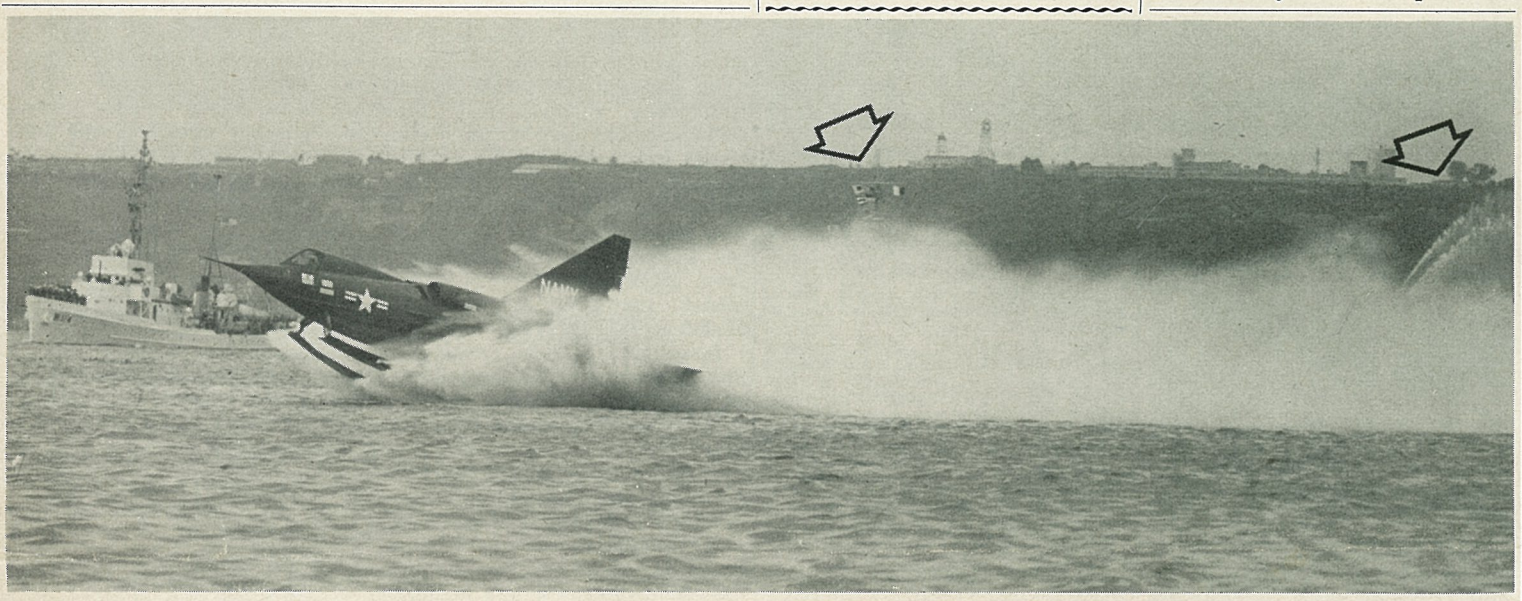


ECLIPSE—When first Swedish naval vessel ever to enter San Diego harbor—the Alvsnabben—steamed in last week, Convair's Sea-Dart added an unrehearsed note to welcome and (in this photo) completely obliterated visitor! Arrow shows top of mine-layer's mast. Arrow at right points to streams from fireboat hoses which added to welcome. Vessel at left is Coast Guard greeter. Test Pilot B. J. Long is at controls of Sea-Dart. He flew shake-down soon after photo was snapped.

New Insurance Plan at Pomona Starts April 18

A new group insurance program will go into effect April 18 at Convair Pomona, H. D. Filloon, manager of industrial relations and security, announced this week.

The new program, which includes expanded benefits and $5,000 life insurance, covers all supervisory employees, those not represented by a bargaining unit, and those represented by the International Association of Machinists and the International Union of Operating Engineers. Cost of the program will be paid by the company.

Employees will, as in the past, be required to pay for coverage of their dependents, and employees in most pay brackets will be allowed to purchase additional amounts of life insurance.

The moratorium of premium payments, which began last September and was scheduled to end March 20, has been extended to April 17 to cover the gap between now and the effective date of the new insurance program.

"We hope that all eligible employees will avail themselves of the opportunity to secure additional life insurance coverage," Filloon said. "The rates are extremely reasonable—only 44 cents per month per $1,000."

"I also recommend that employees with dependents secure coverage for them under our plan. Benefits for dependents have also been increased, and the cost of this coverage is only $1.62 per week, regardless of the number of dependents an employee may have," Filloon added.

(Continued on Page 2)

Convair Planes Tour Small Cities On Coast as Stars in Air Shows

Three Convair-built airplanes are starring in a novel airport show now touring the West Coast region.

The Air Force's XF-92A, world's first delta wing aircraft, a T-29 "Flying Classroom" and Convair-Liner 340s are leading attractions in the show which is part of the National Junior Chamber of Commerce's "Operation: Top Flight." The plan is to assist small cities in presenting their own air shows through the combined efforts of local Jaycees, United Air Lines, the Air Force and Convair.

Convair took the lead in setting up the tour as part of its program to assist military and commercial customers in community relations. With the three Convair-built planes as the nucleus, local Jaycees promote additional exhibits among local concerns interested in aviation.

At Bakersfield, first stop on the tour March 13, an estimated 25,000 people crowded the airport to see the show. Second stop was Fresno March 20, with additional stops slated for Stockton, Salinas, Merced, Reno and other points. If the show continues to prove popular, it may be scheduled for stops across the nation.

(Continued on Page 2)

HINTERLAND—Cities that seldom see an air show are getting to see one now, with Convair planes in prominent roles. First of series was at Bakersfield, Calif., last week, shown here, where 9,100 passed by XF-92A in less than six hours.

Students Apply for New Scholarships Offered by Convair

Applications for Convair undergraduate scholarships were coming in this week at all Convair plants, with the March 31 deadline only a week away.

Winners will be announced in May and scholarships are effective for the fall college term this year. Sons and stepsons of Convair employees with five years or more service, who will enter college this fall and intend to take engineering or an allied science, are eligible. Applications and instructions are available at all training offices.

Convair Fort Worth and Convair San Diego will award two scholarships each (all tuition and laboratory fees, plus $250) and Convair Pomona and Convair Daingerfield will issue one scholarship between them.

Con-Trib Considers $40,000 Donations

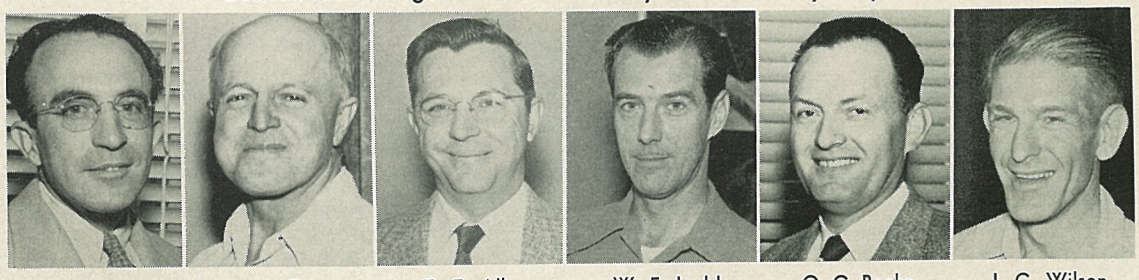
Gifts totaling nearly $40,000 came up for a second reading today before the Convair San Diego Employees' Con-Trib-Club committee.

A donation of $7,500 was considered for the Easter Seals campaign of the San Diego Crippled Children's Society, which if finally approved would eliminate the obligation of SD employees to remit for any seals they receive through the mails. Also for the crippled children was a $4,000 hospital equipment proposal.

Other gifts voted on were: $25,400 for the Red Cross; $5,000 for the Cerebral Palsy Foundation; and an additional $3,000 for the Heart Association to be used for the Heart Center at Sharp Memorial Hospital.

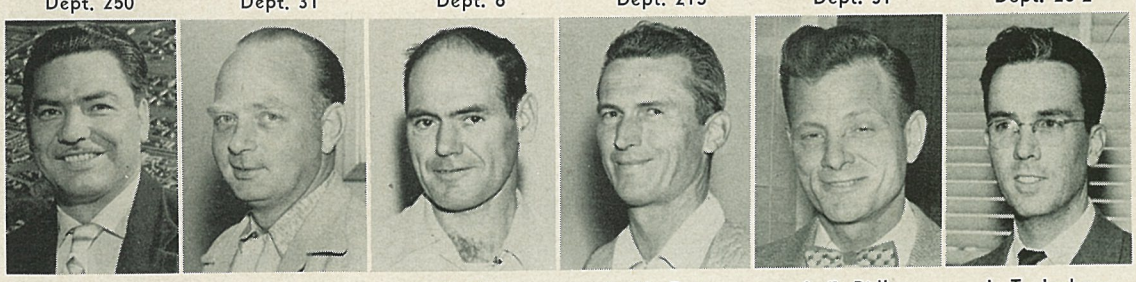
★ ★ Log Book Entries ★ ★

Convair San Diego men who recently received 15-year pins:



C. G. Nixon, Dept. 28-2 · G. O. Turner, Dept. 31 · T. F. Allen, Dept. 522-3 · W. E. Ladd, Dept. 524-2 · O. C. Banke, Dept. 31 · J. C. Wilson, Dept. 212

D. W. Kennedy, Dept. 250 · L. C. Holland, Dept. 31 · J. E. Lawton, Dept. 6 · E. H. Wallrabenstein, Dept. 215 · T. G. Jones, Dept. 31 · M. T. Radovich, Dept. 25-2



A. G. Islas, Dept. 528-2 · W. H. Rimmer, Dept. 24-1 · J. K. Harkins, Dept. 70 · A. M. Easton, Dept. 44 · J. F. Ridley, Dept. 204 · J. T. Jackson, Dept. 6

Service Emblems

SAN DIEGO

Service emblems due during the period March 16 through March 31:

Twenty-five year: Dept. 215, R. L. Williams.

Fifteen - years: Dept. 6, R. F. Guerin Jr., J. R. Spurgeon. Dept. 9-8, C. B. Swope. Dept. 22-1, L. M. Guess. Dept. 28-7, L. P. Sabat. Dept. 31, J. H. England, W. G. Klingenberg, M. W. Lamb, C. R. Myers, W. L. Tate. Dept. 43, H. E. Kropf.

Dept. 52, J. E. Mikol. Dept. 55, F. J. Serio. Dept. 61, Irvin Olson. Dept. 70, H. E. Brisbin, W. S. Rutherford. Dept. 110, Michael Chakarun. Dept. 300, J. F. D'Alessandro. Dept. 406, R. H. Tank. Dept. 524-2, J. C. Chuckta.

Ten-years: Dept. 6, M. C. Hutchison. Dept. 8-3, C. E. Hobson. Dept. 10-0, E. J. Derbes. Dept. 28-1, E. L. Whiteman. Dept. 31, Bruno Messmer. Dept. 43, L. R. Turpin. Dept. 46, C. F. King.

Dept. 52, D. F. Isaacs. Dept. 70, J. T. Smith. Dept. 215, W. L. Carr, E. W. Watts. Dept. 250, Jessie S. Kuhn. Dept. 300, R. C. Darsie. Dept. 401, L. R. Garner. Dept. 406, R. A. Lee. Dept. 603-4, G. E. Basich.

Five-years: Dept. 3, Ugolino Guglielmetti, N. E. Wallace. Dept. 4, Adah M. Loretz. Dept. 6, A. E. Anderson, Onita C. Hall, A. H. Riffel, R. L. Sattro Jr., Verna D. Scholl. Dept. 8, Fred Fretheim. Dept. 10, Wilma B. Nickell. Dept. 11, Edgar Howard.

Dept. 25, J. B. Rognlie, H. R. Schmitter. Dept. 28, J. D. Hackney, E. N. Hately, Mary R. McDonald. Dept. 31, D. R. Sanchez, Anthony Yurgelon. Dept. 45, I. G. Smith.

Dept. 55, Augustio Reyes. Dept. 60, C. B. Covey. Dept. 70, T. P. Negrete. Dept. 72, E. G. Von Trutzschler. Dept. 201, J. S. Dennie. Dept. 212, Evah W. Plott, Josephine W. Wallace. Dept. 215, Lois R. Gibbs, Helen D. Sawyer.

Dept. 258, B. W. Duke. Dept. 300, H. M. Janes, P. A. Young. Dept. 301, C. E. Deaver. Dept. 350, L. B. Lewis. Dept. 407. M. P. Hess.

Dept. 522, Mary L. Kelley, Collette C. L'Etourneau, Billie W. Slovacek, H. E. Vlachos. Dept. 524, Ruby C. Graves. Dept. 528. C. L. Vineyard. Dept. 603, Elsie B. Gregovich.

POMONA

Fifteen-year: Dept. 51, P. J. Wallrabenstein.

Five-year: Dept. 3-4, T. R. Smith. Dept. 6, R. L. Bouse Jr., F. P. Maloney.

Births

SAN DIEGO

FULLER—Son, Richard Dien, 7 lbs. 5½ oz., born Jan. 3 to Mr. and Mrs. Bruce E. Fuller, Dept. 55.

POMONA

BEEBE—Daughter, Becky Lee, 6 lbs. 9 oz., born Feb. 28 to Mr. and Mrs. Raymond L. Beebe, Dept. 31.

McMAHAN—Son, Robert William, 7 lbs 1 oz., born Feb. 28 to Mr. and Mrs. Frank C. McMahan, Dept. 31.

SURAL—Son, Paul Arthur, 7 lbs. 8½ oz., born Feb. 18 to Mr. and Mrs. A. L. Sural, Dept. 31.

VOLTZ—Son, Michael Maurice, 5 lbs. 10 oz., born Feb. 12 to Mr. and Mrs. D. M. Voltz, Dept. 31.

COCOA BEACH, FLA.

BLUMLING — Daughter, Kathleen Elizabeth, 7 lbs. 12½ oz., born Feb. 22 to Mr. and Mrs. Robert H. Blumling, Dept. 343. (Blumling is a member of a Convair SD test project near Cocoa Beach, Fla.)

Lost & Found

SAN DIEGO

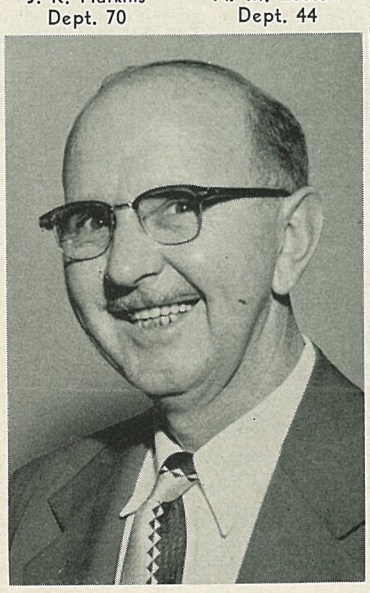
LOST—One pair dress glasses in Dept. 255, Bldg. 1, Plant 2, first mezz., Feb. 25. Reward offered for return to E. S. Carter, ext. 335, Plant 2.

Deaths

SAN DIEGO

LESHER—Grace, Dept. 522. Died March 7. Survived by two sons; Donald, Dept. 70, Richard, and mother.

McKENNEY—Harry F., Dept. 212. Died March 4. Survived by wife.



Otto Peterhansel of Dept. 31 at San Diego is the latest Convair man to be welcomed into the fraternity of 25-year service pin wearers.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective March 7:

Dept. 6, Engineering: To aircraft service asst. supervisor, R. Parsons.

Dept. 9-5, Estimating: To spares estimating supervisor, R. H. McManus.

Dept. 9-8, Photo Lab: To photography asst. supervisor, H. B. Day, M. H. Miller.

Dept. 10-0, Cost Accounting: To accounting asst. supervisor, J. Greenwald, E. A. Hamer.

Dept. 101, Sheet Metal: To asst. foreman, A. A. Gomez, H. M. Woodard.

Dept. 115, Machine Shop: To asst. foreman, S. T. Krebs.

Dept. 303, Model 8 Flight Test Operations: To chief flight test group engineer—EAFB, V. L. Allwardt.

Dept. 528-8, Receiving Inspection: To inspection asst. supervisor, K. Sinclair.

POMONA

Promotions to or within supervision effective March 7:

Dept. 2, Division Manager's Office: To special assistant to division manager, H. M. Wagner.

Dept. 3, Industrial Relations and Security: To chief of training, B. P. Schroeder.

Dept. 6, Engineering: To test lab group engineer, W. A. Reinman. To design group engineer, G. H. Schillreff.

Personals

SAN DIEGO

Words cannot express our gratitude and appreciation for the many tokens of sympathy and floral tributes from Convair friends during our recent bereavement.

Mr. and Mrs. Jess R. Brown,
Dept. 522-5

* * *

We wish to thank all of our friends at Convair, and particularly the Con-Trib-Club, for their help and encouragement during my recent illness.

Fred W. Walker and family
(Dept. 22)

Awards

SAN DIEGO

Employee Suggestion awards totaled $966 for the weeks ending Feb. 24 and March 3:

Dept. 4, Material: S. J. Bucaro, $24.25; C. E. Edmonson, (two awards) $10 and $33.50; R. Moran, $6; W. Orr, $6; M. Swinney, $100 (partial payment).

Dept. 6, Engineering: J. H. Catterall, $10; H. L. Jensen, Jr., $82.50; I. Olson, $43.

Dept. 10, Industrial Accounting: P. M. Dolan, $10.

Dept. 25, Plant Engineering: W. L. Dexter Jr., $10; D. Hunstable, $20; B. F. Herth, $17.50; J. C. Hurley, $49.25.

Dept. 27, Quality Control: J. E. Campanella, $5.

Dept. 28, Inspection: C. M. Hooper, $27; M. C. Walter, $15.

Dept. 30, Model 8 Final Assembly: J. W. Fish, $5; J. W. Guihn, $15; J. S. Knight, $5; L. F. Lau, $5; T. G. Saint Sing, $5.

Dept. 31, Experimental: E. E. Banfill, $15; H. D. Higdon, $60 (final payment); J. P. La Lanne, $5; E. E. Wamsley, $10.

Dept. 40, Model 8 Components: L. W. Cook, $10.

Dept. 52, 340 Wing: B. D. Davies, $10; H. A. Hollingsworth, $5; R. C. Jaquez, $5; J. J. Krause, (two awards) $10 and $11.50; C. P. Littrell, $5; R. G. Peete Jr., $5; R. F. Robinson, $10; W. A. Sanders, $5.

Dept. 55, 340 Fuselage & Control Surfaces: C. S. Goodman, $15.

Dept. 57, 340 Final: O. J. Sonsteng, $15.

Dept. 60, Model 8 Wing and Tail: G. T. Dodson, $15; M. R. Edgin, $62.50.

Dept. 70, Model 8 Fuselage: R. H. Granger, $10; E. Hofmann, $5.

Dept. 72, Model 8 Fuselage Primary: L. D. Hesterberg, $10

Dept. 101, Sheet Metal: T. W. Hicks, $5.

Dept. 102, Sub-Assembly & Processing: E. Wells, $10.

Dept. 201, Sheet Metal: S. I. Moore, $11.50.

Dept. 202, Sub-Assembly: M. B. Taylor, $10.

Dept. 203, Welding: J R. Lindblom, $10.

Dept. 250, Electric Bench: C. D. Stephens, $19.75; G. D. Welburn, $5; R. M. Young, $5.

Dept. 300, Field Operations: M. R. Kuhl Sr., $15; J. P. Smith, $15.

Dept. 340, T-29 Final: E M. Callahan, $10.

Dept. 522, Manufacturing Control: J. A. Kinder, $10; P. E. Vandeford, $10.

Dept. 528, Inspection: J. H. Price, $10.

Dept. 603, Tool Manufacturing: H. B. Bishop, $16.75.

POMONA

Employee Suggestions at Convair Pomona for the period ending Mar. 18 totaled $673:

Dept. 4: R. L. Ketchum and J. B. Vallerdy, $20.
Dept. 6: Marie W. Bowles, $250.
Dept. 22: M. M. Womack, $28.
Dept. 25: D. D. Cates, $10.
Dept. 27: Jack Brewer, $10.
Dept. 31: E. W. Timmons, $10.
Dept. 42: A. J. Guest, $20.
Dept. 51: L. A. Traylor, $12.
Dept. 72: E. L. Fleenor, Jr., $10; R. Heathcote IV and D. R. Robertson, $10; R. B. Larsen (2 suggestions) $50; F. F. Luther (4 suggestions) $140; Ethel Morris, $23; Mary Torok, $10; B. J. Watts (3 suggestions) $60.
Dept. 73: C. H. Birch, $10.

Cost Improvement Proposals for the same period were:
Dept. 6: A. E. Flanders
Dept. 27: Wallace Harding.
Dept. 51: E. E. Hamm.
Dept. 61: G. A. Boortz (2 proposals).
Dept. 63: Steve Herman.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Ediorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.

Scientists Join Convair As Research Advisors

(Continued from Page 1)

(Metallurgy and Theory of Metals)

DR. ROBERT F. MEHL, head of Department of Engineering and dean of Graduate studies, Carnegie Institute of Technology. One of the nation's foremost metallurgists.

DR. FREDERICK SEITZ, professor of physics and scientific director of Control Systems Laboratory, University of Illinois. Noted for work in field of solid state theory, radar techniques and nuclear physics.

(Experimental Physics and Electronics)

DR. LAN JEN CHU, professor of electrical engineering, Massachusetts Institute of Technology. Specialist in ultra high frequency radio antenna design.

(Mathematics and Aerodynamics)

DR. RICHARD COURANT, director of Institute for Mathematics and Mechanics, New York University. Authority in application of mathematical methods in physics and the theory of shock waves.

DR. PETER D. LAX, associate professor of mathematics, New York University. Staff member at Los Alamos.

DR. MILTON S. PLESSET, professor of applied mechanics, California Institute of Technology. Noted for work in fluid dynamics, aerodynamics and shock wave theory mechanics.

DR. THEODORE VON KARMAN, chairman of the Advisory Group for Aeronautical Research and Development for NATO. Pioneer in development of supersonic aircraft.

(Astrophysics)

DR. FRED L. WHIPPLE, chairman of Department of Astronomy, Harvard University. Leader in upper atmospheric and meteor research projects for Department of Defense.

"The group of scientific advisors will consider special problems in the development of military aircraft and missile systems," McNarney explained. "They also will study problems of basic nuclear research and industrial applications of nuclear power . . .

"Through (them) Convair will be able to avail itself of the most advanced thinking in America . . .

"In our supersonic bomber and fighter programs we are discovering problems at increasing altitudes and speeds which may be beyond engineering solution," he continued. "Aviation has real need of basic scientific consideration of these problems if they are to be solved in time to keep this country ahead of the technological threat growing on the other side of the Iron Curtain . . ."

★ ★ ★

Dr. Ernest O. Lawrence, one of America's outstanding physicists, will join John Jay Hopkins, chairman and president of General Dynamics Corporation, and Dr. Lawrence R. Hafstad, former AEC executive, on a trip to Japan in May to confer on peace time uses of atomic power.

Dr. Lawrence won the Nobel prize for physics in 1939 and for many years has been an outstanding leader in research in nuclear physics. He is a professor of physics at University of California and a director of the university's radiation laboratory.

★ ★ ★

Earl D. Johnson, senior vice president — development and operations for General Dynamics Corporation, has been elected a member of the Board of Directors, John Jay Hopkins, chairman and president, announced recently.

Johnson, formerly Undersecretary of the Army, joined General Dynamics Feb. 1.

New Insurance Plan at Pomona Starts April 18

(Continued from Page 1)

The sign-up period for additional life insurance and dependent coverage will start on Thursday, April 7, and run through Friday, April 15. Each eligible employee will be contacted by his supervisor during this period.

Life insurance may be purchased only in set amounts, depending upon the employee's rate of pay. Employees earning less than $1.44 per hour may not buy additional insurance. Those earning between $1.45 and $2.45 per hour or $250 and $423.99 per month may purchase $3,200. Those earning $2.46 per hour and over, or from $424 through $624.99 per month, may buy an additional $8,000 etc.

Benefits for both employees and dependents have substantially increased from the old program. Major improvements for employees include:

Hospital room and board: increased from 82 days at $12 per day to 100 days at $15 per day.

Supplemental accident insurance: pays up to $300 for expenses incurred for any hospital, surgical, or medical services, or the services of a registered graduate nurse over the amounts provided otherwise in the plan in the event of an accident. This benefit was not included in the old plan.

Maternity: pays $50 for normal delivery, up to $150 for Caesarian and $25 for miscarriage for female employees only. There were no maternity benefits under the old plan.

Major medical: identical to present major medical plan, except paid for by Convair. Pays 75 percent of the excess of medical expenses over and above basic hospital and surgical benefits after employee has paid first $100 of such excess expenses. This $100 "deductible" applies only once each calendar year, even though several illnesses may occur.

Surgical benefits: up to $400 per schedule, $600 for multiple operations and $565 for certain heart operations. Maximum under old plan was $300.

Other hospital expenses: expenses for operating rooms, anaesthetics, laboratory fees, etc., increased from $260 to $300.

Increased benefits for dependents include:

Hospital room and board: increased from 72 days at $12 per day to 100 days at $15 per day.

Surgical: same increase as for employees. (See above.)

Supplemental accident insurance: same as for employees.

Other hospital expenses: same as for employees.

Convair Ships Star In Local Air Shows

(Continued from Page 1)

The Air Force flies in a T-29 for static display and trucks its mobile XF-92A to each point. United Air Lines flies in a Mainliner Convair for static display and then offers 20-minute scenic flights around the area for $3 per passenger. (At Bakersfield, six flights were made at full capacity.)

United goes even further by donating proceeds from these flights to local charities!

Dedication Near For SD Hospital

The Donald N. Sharp Memorial Community Hospital at San Diego, to which Convair and Convair employees at SD have contributed substantially, will be dedicated next week.

March 27 is "Donors' Day" and contributors may tour the new hospital on Kearny Mesa from 1 p.m. to 5 p.m. on that day. The hospital will hold open house from 10 a.m. to 9 p.m. each day, April 1, 2 and 3.

Over the past few years Convair itself has contributed a total of $175,000 to the hospital fund and the gift from the Employees Con-Trib-Club at San Diego was $25,000.

Convair's president, Gen. Joseph T. McNarney, is a member of the hospital dedication committee.

Emergency Response Boosts Blood Credit

(Continued from Page 1)

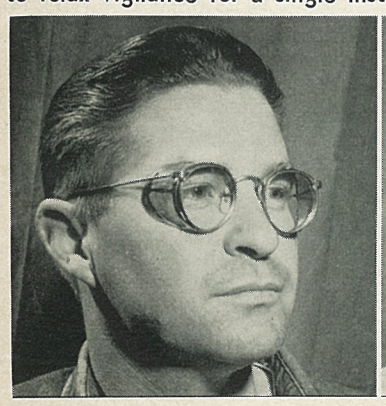
The next visit to Convair SD will be in late April at which time the 125 Dept. 6 and 31 volunteers who could not be accommodated last week will be given an opportunity to donate, as well as Dept. 22 personnel.

DEPT. 255 WINNER IN COST REDUCTION

Dept. 255 (tubing and cable) has been named winner of the Convair SD departmental cost accomplishment contest for February and will fly the cost reduction banner for a month.

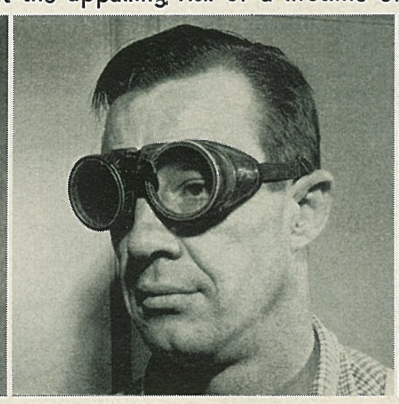
Reward of Vigilance

In Convair's constant warfare against injury, no other field deserves—and gets—as much attention as the eyes. In daily use are more than 20 different types of eye protection. The variation stems from the aim to provide maximum comfort with the degree of protection a particular task requires. Despite the emphasis, eye injuries persist. In 1954 at San Diego there were 6,000 "first aid" eye cases. A high percentage were minor, of course. No eyes were lost, but in 33 cases the aid of a specialist was required. However, it is safe to estimate that 90 per cent of the "first aid" cases could have been avoided by common sense and the refusal to relax vigilance for a single instant. Any eye injury carries with it the appalling risk of a lifetime of darkness.



W. T. Curtis of SD Dept. 203 models the most common type of safety glass in use. This one has side shields for added protection.

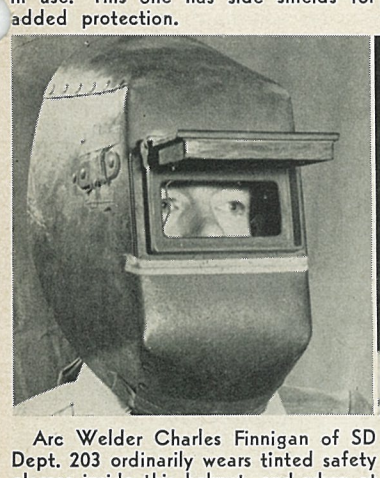
Designed primarily to protect the eyes from the glare of gas welding are these goggles worn by B. T. Hutto of SD Dept. 203.



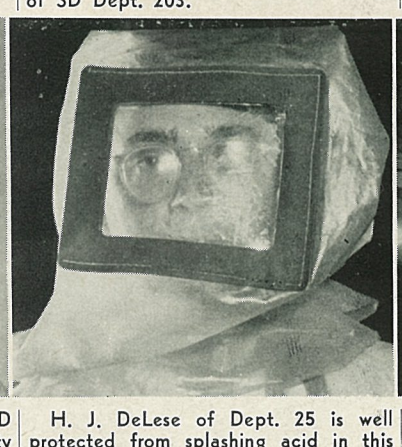
Howard McDonough of SD Dept. 401 is wearing similar goggles. With dark lens removed they can serve as plain safety protection.

Rubber frame goggles such as these worn by Henry Ferguson of SD Dept. 102 keep out chemical splashes that would damage eyes but not the face.

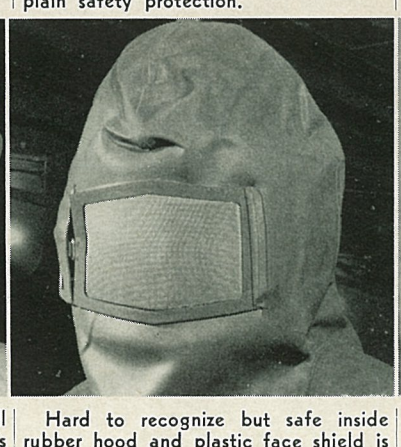
Lightweight plastic goggles worn by R. J. Jordon of Dept. 55 give protection, too, from dust particles falling from above, etc.



Arc Welder Charles Finnigan of SD Dept. 203 ordinarily wears tinted safety glasses inside this helmet, and when at work drops the "window."



H. J. DeLese of Dept. 25 is well protected from splashing acid in this plastic hood that also covers his body. Air is supplied by hose.



Hard to recognize but safe inside rubber hood and plastic face shield is James Robinson, SD Dept. 102 sand blaster.

Good all-purpose face shield is worn by J. C. Newell of Dept. 203. It guards against liquid splashes that might be harmful to face.

Fashionable for heat treat is this shield worn by Bill Phillips of SD Dept. 101. It fits snugly under chin and gives splash protection.

Enormous 'Pressure Cooker' Used At Fort Worth for B-58 Bonding

A "pressure cooker" to end all pressure cookers now has a full head of steam at Convair Fort Worth, speeding production of B-58 parts.

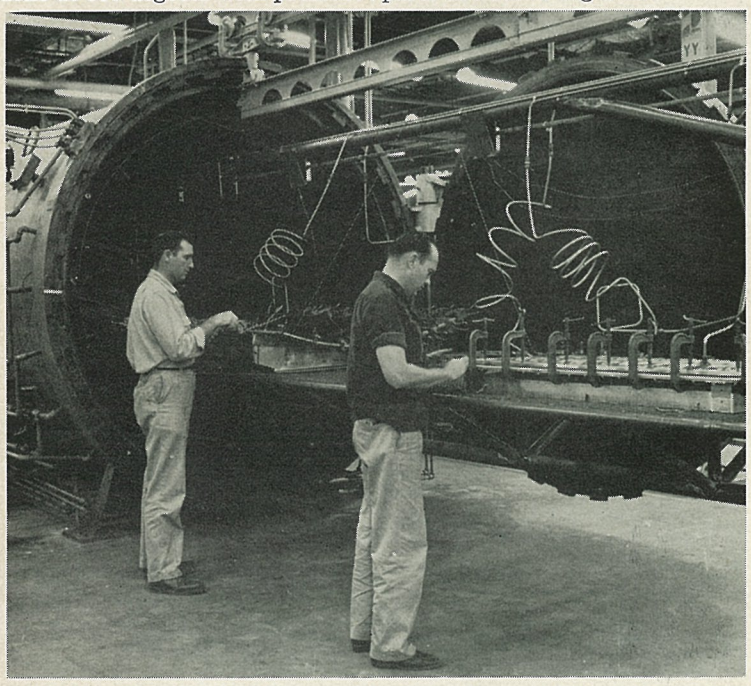
The "cooker" is actually an autoclave, a huge oven-like cylinder used for Metlbonding. Eight feet in diameter and 24 feet long, it is located at column 52 YY in the FW plant.

The principle behind its operation is the same used in ordinary pressure cookers. Pressure and steam do the work. Cooking is done at 350 degrees with pressure of 150 pounds per square inch.

Parts are first prepared by placing rubber tape between sections that will be bonded. Vacuum lines are then applied to the bottom, and finally to the top. These hold the parts flat. Then they're ready to be "baked."

In the meantime, the autoclave has been steam heated to 350 degrees. When the door to the huge oven is opened Dept. 33 employees have 10 minutes to load.

During the two-hour baking process, the tape melts and the parts are fused together.



"BAKING"—C. A. Rhine and L. E. Anderson of Dept. 33 at FW prepare parts for "pressure cooking" in monster cylinder, known as autoclave.

Marine Writer Views VTO Aircraft (Like Pogo) As One 'Answer to an Infantryman's Prayers'

A salute to the Convair XFY-1 (Navy VTO fighter) and to a comrade-in-arms who flies it—Lt. Col. J. F. (Skeets) Coleman, USMCR—was given in the March issue of "Leatherneck," Marine Corps magazine.

Written by M/Sgt. Steven Marcus, the eight-page spread featured pictures by M/Sgt J. W. Richardson. Besides Convair test pilot Coleman, it mentioned two ex-Marines who have played an important role in the VTO program—William C. Lewis and Loren C. Pollock, now of Convair SD.

Commenting on the possible use of the "Pogo" by the Marine Corps, Sgt. Marcus said in part: "Since a 50-foot square area gives the VTO fighter a happy home, it can operate with cruncher units in the same way supporting arms are employed by the Corps today . . . The 'Pogo' could provide the close air support which was only a dream a decade ago . . . it could be the answer to an infantryman's prayers."

Tracing the history of the VTO fighter at Convair, the article included incidents from the start of the program through the first public demonstration last November at Brown NAS.

SD Eye Cut Ends 43 Days Without Lost Time Injury

An eye injury at Plant 2 snapped a 43-day holiday from lost time accidents this month at San Diego.

It was the longest period of freedom from disabling injury at SD since the record 59-day interval enjoyed during 1954. Manhours for the period totaled about 5,175,000.

The injury was suffered by a Dept. 70 man when, while pushing a tool box ahead of him on rollers, he inadvertently brushed against a sharp edged piece of material. He is reported recovering and will not lose his eyesight.

★ ★ ★

Nine Teams Perfect In February Safety

Safety marks tumbled by the wayside during February when Convair recorded the largest number of perfect monthly safety performances ever achieved at San Diego.

Of the 16 competing teams (some of them composed of a number of different departments), nine had not a single injury during February nor any lost time as a result of a previous injury. Together the nine teams accounted for 1,300,900 manhours.

Supt. E. D. Robinson and his F-102 major and final departments (30, 60, 70, 72, 258) led the way with 249,414 manhours. R. W. Watt, superintendent of tool manufacturing at Plant 1, and his departments (401, 403, 406, 407) were close behind with 196,824 manhours.

Supt. F. H. McLaughlin and his T-29 major departments (210, 212, 225, 235, 252) worked 190,808 manhours; Supt. F. E. Grossher and his fabrication departments at Plant 1 (101, 102, 110, 115) worked 153,890 manhours; T. F. McAleer's Plant 1 manufacturing control department (22) worked 116,267 manhours; and Plant 2's manufacturing control department (522) under V. F. Cernuto worked 11,339 manhours.

Material Manager B. P. Gibbons' departments (4, 14) worked 102,693 manhours; Supt. F. B. Kemper's electronics and armament departments (250, 350, 355, 375) turned in 100,519 manhours; and field operations (300) under Supt. S. J. Barinka worked 79,146 manhours.

Burrs Rubbed Off Machine Parts While Turning in 'Laundromat'

Among the latest equipment put into service on the F-102 program at Convair San Diego are two big "laundromats for metals."

The units look very much like those used by commercial laundries and duplicate many of their actions. However, they concentrate on aluminum alloys and steel instead of cotton and woolens.

Installed in the fabrication section at Plant 2, the units are being utilized in deburring and finishing machine parts and detailed sheet metal work. Previously this task was performed by hand.

"We can handle up to 600 parts in each unit in about 45 minutes," said Russ Davis, Dept. 203 foreman. "The same work performed by hand would require from 16 to 20 hours."

Parts with rough edges or finishes (once filed by hand) are dumped into the big spruce-lined barrels along with an equal weight of abrasive stones (aluminum oxide) and a small amount of polishing compound. Water is then added according to a set ratio and the timing mechanisms set. The barrels then rotate sending the stones tumbling against the parts to smooth over the surfaces and knock off rough edges. The machine shuts itself off automatically and the load is then moved to a sifting machine where the stones fall through a wire screen leaving the parts clean and dry.

Various sized abrasive stones are used depending on the size of the parts.

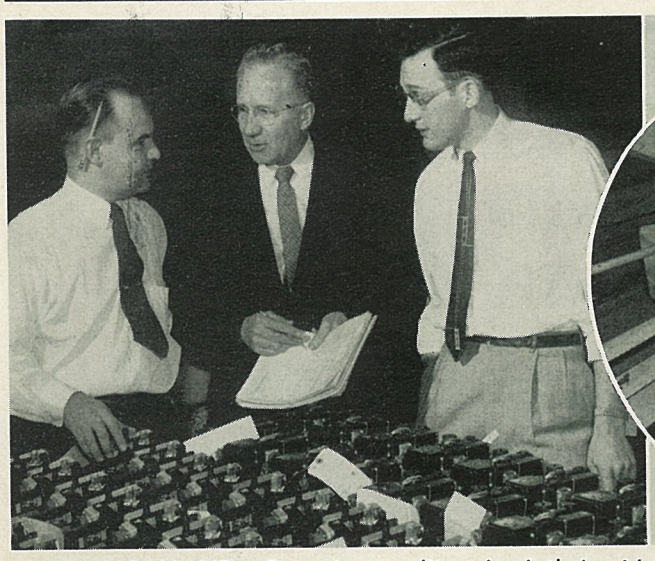
"One man can operate both barrels and perform other work at the same time," Davis said. "The machines are helping us to release individuals for more skilled jobs and also are helping eliminate the need for work benches, space and portable tools previously used in hand polishing."

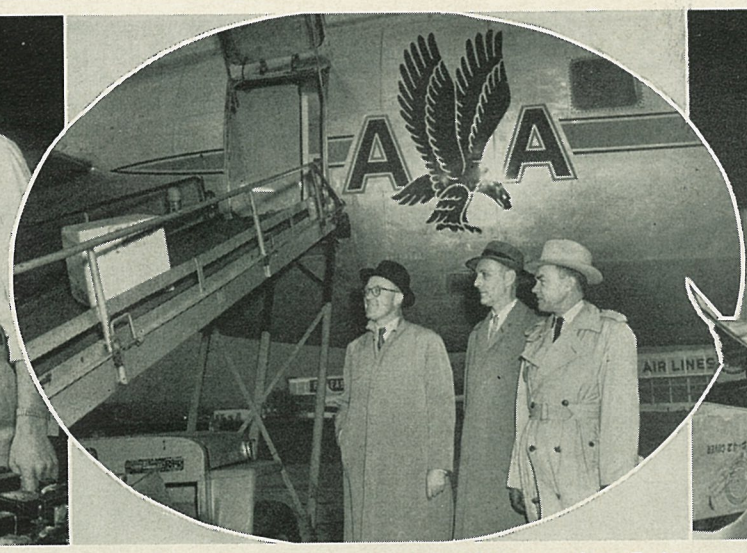
Emmett A. McCabe Heads Cancer Drive

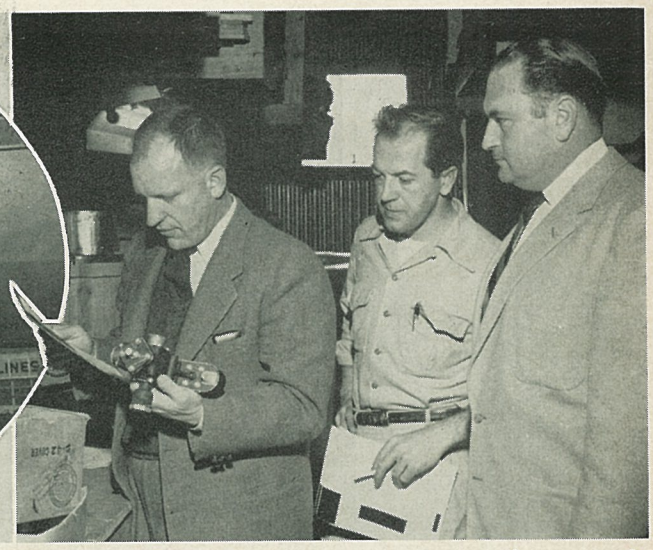
Emmett A. McCabe, director of advertising for Convair, has been named chairman of the Cancer Crusade in San Diego for 1955.

McCabe, active for many years in San Diego civic and industrial affairs, is a director of the American Cancer Society. Among other community activities, he is vice president of the Advertising and Sales Club, a director of the Chamber of Commerce and of the Better Business Bureau, and belongs to the San Diego Council of the Navy League and the San Diego Rotary Club.

"LAUNDRY"—Recently installed machinery at SD looks like a "washing machine," but actually is device to take burrs off small parts. Foreman Russ Davis, at left, with L. F. Smith of Dept. 203. Abrasive is poured into opening from scoop, shown at right, which is maneuvered by crane.







HELPING HAND—Convair expediters lend their aid on variety of occasions. Center above shows R. I. Morse (middle) of Newark office, with G. M. Eichelburg and R. S. Smith of American Airlines, giving emergency handling to a part urgently needed at San Diego. At left, Lawrence Reed, who heads Convair's Detroit office (center in picture), visits Lear, Inc., at Grand Rapids, Mich., and confers with Lear's K. B. Phillips and A. E. Morgan on a shipment of electrical actuators. Photo at right shows W. A. Goodman, head of Convair Los Angeles office (far right), at Roylyn, Inc., plant in Glendale, Calif. Navy Inspector Edwin Hope gives final okay to part destined for Convair before Kenny Clinge packages for shipment. Both Lear and Roylyn have good records as producers of parts for Convair.

Nationwide Net Checks On Supply Problems

Faced with the complications of keeping parts and supplies flowing to Convair plants from more than 7,500 vendors located at various points throughout the country, Convair has developed an effective—and in some respects unique—expediting system.

In effect, the arrangement works as a fast check-up service for Convair's vast material procurement organization.

Operating under R. J. Dillon, General Office manager of expediting, are three small field offices in key industrial areas, Newark, N.J., Detroit and Los Angeles. R. I. Morse, veteran Convair man and onetime assistant division manager at New Orleans, heads the Newark office. W. A. Goodman, in charge at Los Angeles, and Lawrence Reed, in charge at Detroit, both are veterans of Convair's wartime expediting organization.

In addition, each plant has coordinators, Charles C. Mickle for San Diego, M. R. Waldrip for Fort Worth and F. W. Burke and Jeff Currier for Pomona.

The novelty of the present system, however, stems from the part time field force composed of individuals "on call" in many different cities. There is one in Milwaukee, another in Cleveland, one in Louisville, another in St. Louis and others in a score or more of cities throughout the land. They work only on assignment. Many have never seen a Convair plant and perhaps never will. For the most part they are retired executives, intimately familiar with the industries in their home communities. The occasional Convair assignment that comes their way in many instances is a welcome call to return for a day or two to the world of business.

"They do a tremendous job for Convair as well as the vendors," Dillon commented. "Their experience and contacts have helped us over many a rough spot."

The bulk of Convair materials procurement goes along evenly and well. But in such a vast flow of supplies—millions and millions of dollars worth annually—there are bound to be snags when a "johnny on the spot" is invaluable. An average month will see between 500 and 600 "snags" disposed of, but the monthly total of cases handled has gone as high as 1,000, on occasion.

No two cases are ever just alike. And they can cover a wide range of latitude in distance as well as variety.

Last year a vendor quoted a lead time of six months on an item for the F-102 that Convair needed much sooner. The vendor was quite sincere. He had troubles, mostly material procurement. The Convair expediter looked into the matter. He visited the vendor's materials sources and by diplomatic coordination the lead time was cut to two months!

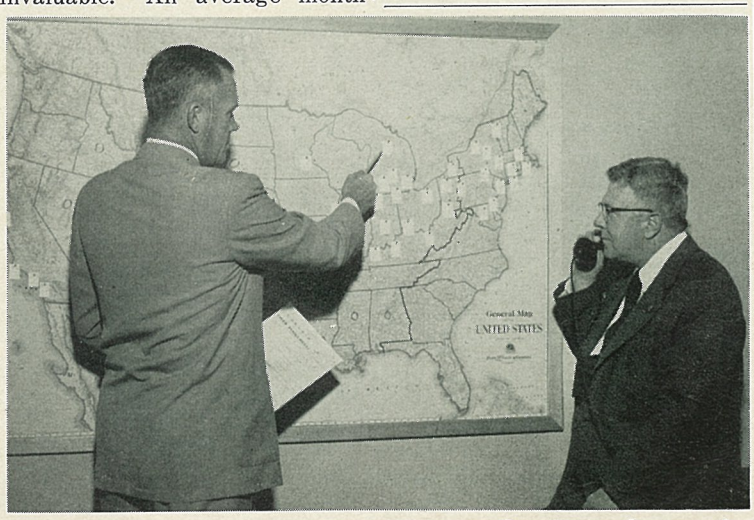
Or an expediter can be called upon to give emergency treatment to a single package.

Just last month Convair San Diego urgently needed a certain motor pump assembly. Hours counted. Morse at Newark was called in to get priority attention. New York Brake Co. of Watertown, N.Y. advised the part was on a Mohawk Airlines flight arriving at Newark at 3:40 p.m. Not content with routine handling, Morse contacted George M. Eichelburg of American Airlines to arrange for fastest possible transfer, explaining the emergency. Eichelburg met Morse at the airport and together with Robert S. Smith, also of American, personally saw the crate safely aboard a westbound Convair-Liner. A telegram went ahead to insure emergency handling at Chicago.

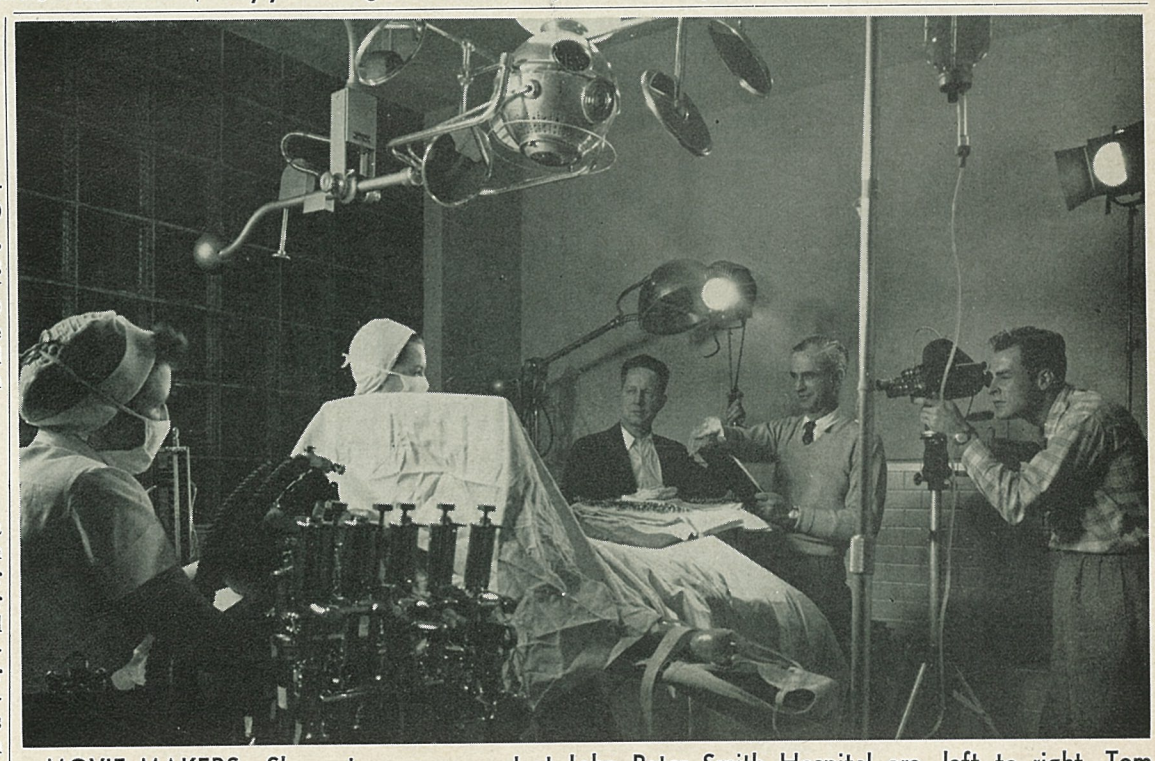
Morse meanwhile relayed pertinent data to San Diego by TWX. The pump was there at 8:10 a.m. the next day.

CONVAIR SD MAN NAMED TO BOARD

Robert Hemmig, Convair SD movie photographer, this month was named a member of the Board of Directors of the Cerebral Palsy Foundation of San Diego County, Inc.



NETWORK—Map at General Offices in San Diego has pin for every expediting assignment in work. At right is R. J. Dillon, expediting manager, with Charles C. Mickle of SD.



MOVIE MAKERS—Shown in surgery ward at John Peter Smith Hospital are, left to right, Tom DeWett, Everett Morris and Gene Eichholtz, all of Convair Fort Worth. They're in process of making a movie for Red Cross.

Sound, Camera and Script Writing Talents Combined As Fort Worth Team Films Community Movies

Though no Hollywood stars are involved, a group of Convair Fort Worth hobbyists nevertheless are movie producers in their own right.

But no melodramas these. Rather, their movies are documentary films made for local Fort Worth organizations.

The producers are Murrel and Everett Morris, Gene Eichholtz and W. H. Shell, all of FW engineering. Murrel Morris writes the scripts. Her husband, Everett, directs the movies. Eichholtz is cameraman and Shell does the sound. They operate under the name of "Apollo Productions."

The Morrises are well known in Fort Worth theatrical circles. Both were active in CRA Wing and Masque drama work, and both studied drama at the University of Oklahoma.

Eichholtz, an engineer, works on camera installations and aerial photography at Convair. For several years he operated a commercial studio in Fort Worth.

Shell, who is responsible for sound, is an electronics engineer. He's had many years experience in radio, movie and other sound work.

One of their first efforts was for the women's auxiliary of the Tarrant County Medical Association, which wanted a film to promote recruitment of nurses.

After that they produced a film for Texas Christian University on how to teach songs to primary children.

"Filming was done with children and TCU personnel," said Morris. "We understand the film is to be used in high schools throughout Texas."

In addition, the group is working with Texas Wesleyan College in Fort Worth.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

★ ★ ★

Capt. W. F. Rodee, long time BuAer representative at Convair SD, goes to sea as chief of staff, Carrier Division 3.

* * *

W. P. Woods named superintendent of final assembly departments at FW.

* * *

H. G. Starkey succeeds C. J. Hall as CRA president at FW.

* * *

John Doig of Convair SD leaves San Diego by air for first return to Scotland in 21 years.

* * *

Figures released show Red Cross aided Convair FW families during 1949 floods to tune of almost $150,000. Top award to one family was $2,500.

* * *

XP5Y-1 "dwarfs" other aircraft as it makes first taxi tests on San Diego Bay.

* * *

Air Force crews will come to Convair SD to get training in T-29, according to Major R. J. Cassadon, AF officer in charge at SD.

* * *

Plans for Little League teams announced at San Diego.

THE CREW—Convair airmen who took the R3Y back to Patuxent, Maryland, pose beside ship. In front are Don Germeraad, pilot; R. M. Bloom, flight engineer. Standing are J. H. Mason, flight test engineer; John Knebel, co-pilot; Lt. Cdr. W. C. Bergstedt, USN, of BAR office at Convair, co-pilot; W. C. Robinsin, flight engineer.

GOLF ON HIGH—Convair folk assigned to Holloman AFB have varied playground within reach. Here are George Davis, Jack Baldridge, Norm Hartwell and Jack Blackmon (all of FW) playing Cree Meadows links at Ruidosa, N.M., 7,500 feet altitude. Note snow-covered peak.

CROW HUNT—Hunting is another sport for Holloman folk. Blackmon, Davis and Baldridge show crows they downed with .22's.

Ten Depts. Perfect In Safety Contest At Convair Pomona

Ten departments had perfect records in the monthly safety contest for February at Convair Pomona, T. R. Smith, assistant safety supervisor, announced last week.

Engineering, however, worked more manhours during the month than any of the nine others and will keep the safety trophy until a new winner is named for March.

Other departments with perfect scores included: material, check-out equipment maintenance, manufacturing control, tool manufacturing, sub-assembly, missile checkout, sheet metal, processing and final assembly. Other competing departments, in the order in which they placed, are: experimental factory, quality control, machine shop, electrical assembly and plant engineering.

Edwards-Palmdale Men Complete Class

A special blueprint reading class for Convair personnel at Edwards AFB and Palmdale started March 8 at the Antelope Valley Junior College.

Taught by Mickey M. Wilson (Dept. 303), the class is the second offered to employees assigned to these projects. Thirteen received completion certificates for a class which ended Feb. 24. Members included M. DiMattio, J. H. Flower, Charles Fontaine, D. T. Gray, Lawrence LeGrant, W. J. McIlroy, R. L. Ortiz, R. Otto, J. T. Shivley, D. J. Smith, G. R. Souza, A. L. Taylor and C. Witten.

Space Flight Topic For SD Engineer

Krafft Ehricke, Convair SD design specialist, will speak to the San Diego Section, Institute of the Aeronautical Sciences, on "Space Flight Problems" March 31) at the IAS Building, Harbor Drive, beginning at 8 p.m.

He also spoke to the same group on another phase of space travel at their March 17 meeting and discussed "Problems of Travel in Outer Space" with the American Institute of Electrical Engineers at their March 15 meeting.

LOADED — Art Hall, another FW expatriate at Holloman, shows off arsenal he needs for Holloman hunting. He's loaded for bear.

American-English Aviation IAS Topic

"Anglo American Aviation" is the subject of a talk to be given by Capt. J. Lawrence Pritchard at a meeting of the Institute of Aeronautical Sciences tonight (March 23) at Amon Carter Field between Fort Worth and Dallas.

Capt. Pritchard, of Britain's Royal Aeronautical Society, will discuss the history and advancements of both American and English aviation.

Members of the Texas section of IAS represent four major aircraft companies in the Fort Worth-Dallas areas: Convair, Bell Aircraft, Temco Aircraft and Chance Vought.

Model 340s Help REAL Set Record

Five Convair-Liner model 340s played a key role during December when REAL Aerovias set a new record in carrying 40,000 passengers.

Dudley E. Long, Convair field service engineer, reporting from Sao Paulo, Brazil, said that Convair load factors are around 96 per cent.

SD Club Will Hold Spring Dance Sat.

El Cortez Ballroom will be jumping Saturday (March 26) night when the Convair SD Management Club holds its annual Spring Dance from 9 'til 1.

The informal affair will feature the music of Merle Carlson and his orchestra and include as entertainment a fashion show with spring creations supplied by a San Diego store. Prizes will cater to the women guests.

"We would like to emphasize this is an informal dance and that it is not a dinner affair," said Supt. J. P. Hopman of the sponsoring R3Y, 340 and T-29 departments at Plant 1.

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Pomona Management Club Meets April 8

Next meeting of the Convair Pomona Management Club, set for April 8, will be a joint meeting with six other clubs, including two clubs recently chartered under sponsorship of the Convair organization.

The meeting will be held at The Palms in Glendora, with the social hour beginning at 6 p.m. and dinner at 7 p.m. Participating clubs will include Fairbanks Morse, Hunter Douglas, Kaiser Steel, Pacific Western, Rheem and the San Gabriel Valley Management Clubs. Hunter Douglas and Kaiser Steel were chartered under Convair Pomona sponsorship.

Budros Chosen For Personnel Forum

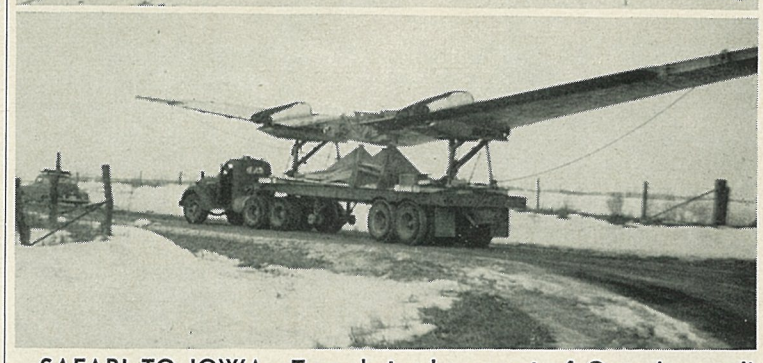
J. L. Budros, personnel manager at Convair Fort Worth, was named to the personnel policies forum of the Bureau of National Affairs, Inc., this week.

The Forum serves as an exchange of opinion and information on current personnel practices in American industry. As a member of this year's panel, Budros will be consulted on such subjects as unemployment compensation problems, supervisory development problems of the clerical employees, executive development, communication downward, and automation.

Convair Man Leaves For Nuclear School

A farewell party for Hideyoshi Nakamura, Convair SD design specialist, was held March 9 at the San Diego Hotel by members of the propulsion and heating and ventilating section of engineering at San Diego.

Nakamura left early this month to attend a seven-month course at the School of Nuclear Science and Engineering at the Argonne National Laboratory.



SAFARI TO IOWA—Top photo shows part of Convair expedition that went back to Iowa to retrieve damaged Convair-Liner. Lower picture shows wing traveling by truck from corn field to rail station.

SD Expedition Braves Snow & Ice To Retrieve 340 From Corn Field

A Convair crew of 25 last month shivered in sub-zero weather and biting winds to retrieve a wounded Convair-Liner from an Iowa corn field and bring the airplane safely home for repairs.

The United Air Lines model 340 came down for a belly landing on bumpy frozen farmland about 30 miles from Des Moines. A loose bolt in the elevator tab idler had worked out, leading to severe tail vibration and the pilot elected to make an emergency let down. No one was seriously hurt. However, the airplane was damaged to a point that return to the factory was advisable.

A survey team headed by Plant 1 Works Manager W. L. Young flew to the scene and laid out the general plan of operation. Others were Supts. Vern Sharp and John Glenn, R. H. Johnson of shipping and Romie Taylor of engineering. Back at San Diego, H. P. Fintel of long range planning coordinated the in-plant activities.

"It was immediately evident we had a considerable task, and weather was a big factor," Young recalled this week.

"Sub-zero cold and the remoteness of the location offered manifold complications."

Arrangements had to be made for heavy trucks and cranes. Special slings and cradles were designed at San Diego and built on a rush priority. Quarters were located for a score of men expected from San Diego. Cold weather gear — parkas, boots, gloves, caps, etc.—were obtained from war surplus. Meanwhile, three truckloads dispatched from San Diego included tools, work stands and special equipment.

The "reinforcements" from SD arrived Feb. 14 and donned long underwear and arctic clothing. Ten days later the job was done.

"Expedition to Iowa" included these Convair SD men: from shipping, F. J. Light, E. Johnson, B. A. Johnson, E. L. Shaulis, P. G. Bieberdorf, A. L. Lawson; from maintenance, M. L. Merritt, D. Hunstable, G. A. Young, F. A. Chavez; from the shop, J. Morey, C. B. Harper, O. J. Sonsteng, W. E. Taylor, A. Buchanan, J. R. Crawley, W. R. Lucore, D. A. Laferriere, R. F. Robinson, H. A. Blomke, R. A. DeSoto.

The airplane had been disassembled into three main sections: nose and tail fuselage and wing. These were loaded aboard flatcars headed for the coast.

"During that time we worked in about every conceivable type of weather except good weather," Johnson reported.

"Temperatures got as low as 12 below zero. One day a blizzard closed the roads so we couldn't even get to the plane. Another day the weather was so bad they closed the schools, but we managed to work, anyhow.

"Winds got up to 50 miles an hour. During brief thaws the work stands sank into the mud and then froze solid. We even had trucks sink in and freeze so that we had to break them free with cranes! We rarely had firm footing. Either slipping on mud or sliding on ice."

A letter to B. F. Coggan, Convair SD manager, from UAL last week called attention to the "outstanding performance of the Convair crew in taking the airplane out under very adverse weather and ground conditions."

Fortunately, a small shack had been erected near the airplane and this was temporary sanctuary, used for thawing out over an oil stove or for eating lunch in comparative comfort.

Miraculously, there was not a single accident and only one or two mild cases of flu.

"It was quite an experience," Glenn commented afterwards. "We've put a lot of airplanes together, but I don't ever remember taking one apart before, particularly in a corn field."

Asst. Foreman Spike Merritt of maintenance said: "I feel as though I'd been on a Byrd expedition."

Lufthansa Model 340s Kept Busy On Pilot Training and Survey Hops

Lufthansa is expected to start passenger flights over internal routes starting April 1. Proving runs over routes outside Germany are slated to start April 15 and passenger flights May 15.

Lufthansa is keeping its four Convair model 340s busy with pilot training and route survey flights, G. J. (Gerry) Bax, Convair SD service engineer, reported last week on return to San Diego after about three months in Hamburg.

Bax, veteran pre-war pilot for KLM and the Dutch Navy and Air Force who received his American citizenship last year, conducted a model 340 maintenance class in Hamburg for 36 Lufthansa students from Dec. 3 to Feb. 25.

"They squeezed me dry (of information) like a lemon," Bax said.

Meanwhile, Convair's A.P. (Speed) Wilson is staying on at Hamburg to continue to check out Lufthansa pilots in the model 340. Also serving the West German line is Mel Clause, field service engineer.

Bax reported that Lufthansa has back in service a nucleus of oldtime German airmen who flew for Lufthansa before the war, pilots of vast experience in commercial and wartime flying as well. These have undergone considerable training to bring them up to date in modern flying techniques.

Bax said that he encountered many old friends from his years of flying abroad. On the flight home, for example, 80 per cent of the KLM crew (including the stewardess) once were members of Bax's own crew.

"Well, where have you been?"

"M" CLUBBING—In top photo, SD Management Club Prexy Lee House, left, presents Convair check for $1,500 to E. E. Binger, Junior Achievement head at San Diego, with M. L. Bjorstrom, club first veep, at right. House made presentation on behalf of company. Lower photo: newly organized Antelope Valley section of SD Management Club meets in Lancaster, Calif., to hear Judge W. D. Keller, presiding judge of Antelope Valley district. Left to right: R. E. Steele, Phil Prophett, Judge Keller, Larry Failor, Lee House, G. E. Putness, Mike Alianelli, M. P. Dominguez.

★ ★ Rivets ★ ★

Dr. George C. Santos, who two years ago left Convair SD's medical section to go on active Army duty, is now at Ft. Lewis, Wash., we understand.

The doctor, who though born in Massachusetts was educated in the Azores, speaks fluent Spanish and that accounts for his current assignment. Many of the wives of Puerto Rican recruits can't speak English and Dr. Santos has them as students in a prenatal care course for expectant mothers!

* * *

Gallivanting **Mel Clause,** currently helping Lufthansa with model 340s, reports on steam bathing in Finland during a recent trip. We respect Mel's reports on airplanes and flora and fauna but you can make up your own mind on his reliability as to temperatures:

"This was the hottest sauna I have yet endured. Starting at an air temperature of 110°C (230° F) we worked up to 135°C (275° F).

"The outside air temperature that evening was in the mild range—about 0°F—so it was quite enjoyable to bound out of the hot room into the snow. Conservative by nature I was content to placidly steam knee-deep in the drifts while one of the Finn boys writhed in the powdery stuff. Maybe next time . . .

"I have found, in an informal survey, that many Finns, both gentlemen and ladies, have never rolled in the snow. Also, that a surprising number have never died in sauna . . . Additional details available upon request."

* * *

To the latest addition to the "Convair Colony" at Cocoa Beach, Fla., welcome!

She is **Kathleen Elizabeth Blumling,** born Feb. 22 to **Mr.** and **Mrs. Robert H. Blumling,** stationed there with a Convair test project.

* * *

Somebody from a San Diego newspaper called Convair recently to try and get the first name of **Mr.MacSave-it.**

* * *

Thumbing a program during a performance of "Dear Ruth" at the Old Globe theater in San Diego's Balboa Park, we noted that one of the principals in the cast was **Burt F. Miller** of Dept. 6. He gave an excellent performance and even though the connection was about as remote as you can get, we still felt a certain amount of pride.

The writer of the program note was "baffled and impressed" while reporting Miller's occupation as "specification analyst" at Convair. Out of curiosity we looked up the job description and although not entirely baffled we confess to being impressed, too.

* * *

Nick Keough, Dept. 31 general foreman, didn't come back empty handed to San Diego from a six months tour at Edwards AFB on the F-102 project. Before he left the "303 Gang" presented him with a handsome wrist watch at a surprise dinner.

SD Anglers Supply Entree For Dinner

CRA Fishing Club members at Convair SD staged a novel dinner-dance last Saturday night (March 19). They caught their main course and cooked it themselves.

Members of the club's boat building activity caught 500 pounds of fish and turned them over to a volunteer husband-wife group headed by Guy Hime of Dept. 525. They cooked the fish and added all the trimmings for a big fish fry.

Only 500 dinner tickets were sold and a full house was reported.

The anglers and their guests followed the dinner with dancing at the Veterans Memorial Building, Balboa Park.

SD Metals Chapter To Meet at Solar

Dr. George A. Roberts, vice president, technology, Vanadium-Alloys Steel Co., will be the speaker this Friday evening, (March 25) at a meeting of the San Diego Chapter of the American Society for Metals. His subject will be "Powder Metallurgy of Alloy Steels." The meeting starts at 7:15 p.m. in the Solar Aircraft auditorium, Hawthorne and Harbor Drive, San Diego.

Bamboo Room, Pool Site For Lens Club

A model shoot will be on the agenda March 28 when the Convair Camera Club at SD holds its regular monthly meeting at the La Mesan Trailer Park as guest of H. H. Hyde, Dept. 31.

"We will utilize backgrounds in the Bamboo Room and around the pool, weather permitting," Mark Matyas, club president, said.

Matyas urged all club members and CRA members interested in photography to attend to help make plans for an accelerated schedule of events for the summer.

Tuesday Movie Night Permanent Feature

Convair Recreation Association at San Diego has decided to continue indefinitely its sponsorship of "Convair Night" each week at the Rio Theater, President Gil Crosthwaite announced this week. "CRA feels that attendance at these Tuesday night movies more than warrants its continued support," Crosthwaite said.

Convair employees and their families are admitted every Tuesday night at special bargain rates (25 cents for adults, 10 cents for children twelve and under) upon presentation of a Convair "1D" card.

'Are Men Necessary?' Ladies' Night Topic

Robley Baskerville, lecturer and book reviewer, will speak on "Are Men Necessary?" and "What are Women Worth?" at CRA Ladies night next month, Martha Woodberry, commissioner, announced.

The lecture will be held in the House of Hospitality, Balboa Park, beginning at 8 p.m., Tuesday, April 5. All Convair San Diego women, wives of Convair employees, and their friends are invited.

Door prizes will be awarded and a social hour will follow the lecture.

Tropical Fish Fans Organizing at SD

Tropical fish enthusiasts at Convair SD will hold their second organizational meeting at 7:30 p.m. March 31 at CRA Clubhouse.

"We will map out plans for our coming monthly meetings and our weekly workshop sessions to help beginners get started in raising

tropical fish," said Pete Beyrer of CRA. "Our workshops will also assist those interested in building their own tanks."

The meeting is open to all Convair employees and their families and will include entertainment, refreshments and a movie.

Further information about the group is available by calling Beyrer at ext. 1245, Plant 1, or D. L. Van Dusen, ext. 582, Plant 2.

Volleyball Team Considered by CRA

CRA at San Diego is contemplating fielding two volleyball teams in league action this year, if sufficient interest is shown, President Gil Crosthwaite said this week.

A girl's team will take part in city league competition and a men's team will be entered in the annual AAU tournament in April. Those interested in either team are asked to contact CRA office, ext. 1245, Plant 1.

Choral Group Needs Pianist Urgently

An emergency call for an experienced pianist for the CRA Choral Group at San Diego was issued this week by Director W. A. Vogel. Queena Poe of Dept. 258, Plant 2, who has done such a talented job of accompanying the group for more than a year is forced to give up the position temporarily, Vogel said, and he is anxiously looking for a replacement. His phone is ext. 1501, Plant 1.

More Men Dancers Needed in SD Class

Convair SD square dancers are faced with a peculiar problem—they need men!

"We have more ladies than men for our Tuesday night (8 to 10) sessions at American Legion Hall," said Larry Roth, CRA commissioner. "Any men interested in square dancing are cordially invited."

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second Tuesday and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Monthly field shoots second Sunday of month, 9:30 a.m., Gold Gulch. Instruction Saturdays 10 to 12 a.m. Equipment available. For additional information contact Bing, ext. 513, or evenings at CY 6-1863.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Regular meetings first and third Fridays, 8 p.m., Conference Bldg., Balboa Park.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin); Tuesdays: 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 583 or 411, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse. More male voices wanted.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 8 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1. Sweepstakes, La Jolla Country Club, March 26-27.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 538 or 501, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month at Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1. Registration at CRA Clubhouse, Monday, April 4, 7 p.m.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 a.m., San Diego Police Pistol Range, Federal Bldg. and Home Ave. Next shoot March 27.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (March 24) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate 12 noon; advanced 1 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G, 25c per person, for Convair employees and their families. Admittance by club membership card. Cards available at Employee Service, both plants.

SKIN DIVING—Bob Hutson, commissioner ext. 376 or 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235; all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Mort Rosenbaum, president, ext. 1381, Plant 1. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—Next Industrial Recreation swim night for Convair employees and their families, Saturday, April 9, at Mission Beach plunge. Tickets available at Employee Service, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1571, Plant 1.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Miss Robley Baskerville, lecturer, will discuss, "Are Men Necessary?" and "What are Women Worth?" at Ladies Night, April 5, 8 p.m., House of Hospitality. All Convair women invited.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, March 25: BAGHDAG (color), Paul Christian, Maureen O'Hara.

Friday, April 1: THE RAIDERS (color), Richard Conte, Barbara Britton.

★ ★ ★ ★ ★ ★

Bargain rate movies each Tuesday evening at Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults 25c, children, 12 years and under, 10c.

Tuesday, March 29: QUO VADIS (color), Robert Taylor, Deborah Kerr. PROWLERS OF THE EVERGLADES (color), Walt Disney's Academy Award winning true life adventure.

Tuesday, April 5: FLYING TIGERS and SANDS OF IWO JIMA, both starring John Wayne.

Two Tie for First Place During February In San Diego Housekeeping Competition

Results of the February Good Housekeeping contest at San Diego found a three-way tie for first place, all with perfect performance.

For Plant 1 fabrication and T-29 final it was a repeat of January performance, but for manufacturing control, Plant 1, it was a jump up from fifth place held the previous month.

A single violation kept experimental out of the top spot during the month and only a few cleanliness violations prevented electronics and Plant 2 tool manufacturing from perfect slates.

Average violations per employee rose from .011 in January to .013 in February.

Average Violations Per Employee

	Feb.	Jan.
Fabrication, Plant 1	.000	.000
Mfg. Control, Plant 2	.000	.015
T-29 Final	.000	.000
Experimental	.001	.000
Electronics	.003	.000
Tool Mfg., Plant 2	.004	.035
Tool Mfg., Plant 1	.009	.008
340 Major and Final	.013	.026
Mfg. Control, Plant 1	.013	.000
Material	.015	.000
Fabrication, Plant 2	.016	.045
R3Y Major & Final—F-102 Comp.	.018	.002
Plant Engineering	.019	.029
F-102 Major & Final	.026	.014
T-29 Primary & Major, Plant 2	.026	.000
Field Operations	.028	.009

Riding Club Sponsors Exhibition April 9

Horses and riders from some of San Diego's leading stables are expected to take part in a special exhibition at Palomar Stables April 9 beginning at 8 p.m. The program is under sponsorship of the Convair Riding Club.

Pomona, San Diego Split Basketball Doubleheader

Convair San Diego and Convair Pomona split a basketball double header last week.

Pomona's Mishaps, champions of the Pomona plant league, squeezed past Dept. 522, San Diego plant champions, 58 to 54, in their first encounter Friday night at the municipal gym in San Diego.

The same evening, playing for the inter-division trophy, San Diego's Eagles smothered the Pomona Civic League team 88 to 34.

Mike Hutchisson was high scorer for the Mishaps with 25 points, followed by Don Moore with 14. C. E. Smith led the scoring for Dept. 522, accounting for 24 tallies. Tom Roach of San Diego added 11.

The San Diego plant champions, Dept. 522, earned their crown last week with 52-37 and 59-55 wins from Dept. 603 in the playoffs.

SD's Eagles could do no wrong in their game with Pomona's Civic Leaguers, while the latter displayed only flashes of the form they showed during the regular season.

Approximately 100 spectators turned out for the third annual inter-division encounter. San Diego has won each time. This was the first year that plant league champions have met, however, and CRA President Gil Crosthwaite at SD indicated that if Pomona is agreeable this will become a permanent feature of the basketball season.

CRA was host at an Italian dinner after the games.

BIG STRETCH—T. A. Roach of Dept. 522, right, and Jess Seymour of Dept. 603 go high into the air for tip as playoff for plant championship opened at Convair SD. Dept. 522 won two straight, by scores of 52-37 and 59-55, to cop the championship. Both teams were undefeated entering the playoff. Winners met plant league champions from Pomona last Friday night.

CAGE CHAMPS—These hoopsters from Dept. 522 won plant league championship at SD by beating Dept. 603 two straight. Left to right, back row, are D. Hodge, T. A. Roach, D. E. Smith, Lee Harris and B. J. Yoakum. Front row, Jack Lyons, T. A. Martinez, O. W. Walsh, K. R. Farnsworth.

SD Fisherman Lands 61/4 Lb. Bass at Vicente

R. J. Richards of Dept. 72 at Convair SD came home with a real string of fish from San Vicente Feb. 5. He caught five bass, the largest of which weighed six and one-quarter pounds. He was fishing with W. S. Donaldson of Dept. 212.

Nerlinger Captures Pistol Shoot Honors

Jake Nerlinger set the pace at the Feb. 13 shoot held by the Convair SD Pistol Club at the Police Pistol Range, winning the .22 police course, master class, and the .45 short national match.

Bill Geopfarth's 277 was high in the expert class of the .22 course, while Roy Groth won the sharpshooter class and Eldon Vogt won the marksman class.

Tom Little placed second in the .45 short national event with George Clayton and Jim Halfacre taking third and fourth in the same match.

Next regular shoot of the club is set for 9 a.m. Sunday, Mar. 27.

CRA Team Will Play Ball in New Mexico

CRA colors will be worn in the Alamogordo (New Mexico) Industrial softball league this spring by a group of Convair employees assigned to Holloman AFB.

First workout was held early this month under the direction of Fred Goodrich. Teams representing other firms assigned to Holloman will make up the loop.

Lad of 14 Takes Shooting Honors

A 14-year-old youngster proved to be the man of the hour at the March 6 shoot staged by Convair Gun Club members stationed at Edwards AFB and Palmdale.

Jack Cook, son of Betty Cook, field operations secretary, fired a score of 96 to win the junior rifle event and tie the score of the expert class for adults.

C. Wilkerson took honors in the Class A event with Chuck Barnes winning the Class B event and A. V. Martinez copping the Class C event in traps. The senior rifle match was won by M. D. Pruett, while Gean Crall won the women's trap shoot and rifle event.

Twenty contestants took part in the trap shoot and 19 fired in the rifle division.

Gun Club to Enter Team in Nationals

A four-man rifle team representing Convair SD Gun Club will compete in the 1955 National Rifle Association's Indoor Rifle Championship in Hollywood Sunday (March 27).

Team members include Herold Schnaubelt, R. C. Saether, Harold Hampy and W. D. Isbell.

The 1955 National event is being staged in sectional tournaments throughout the United States and Alaska. Individuals and teams entered in the sectional are automatically entered in the nationals.

Linksmen Looking Ahead To Full 1955 Schedule

Two tournaments each month through the next nine months!

That's the golfing outlook for Convair SD par chasers this week after announcements by CRA Golf Commissioner Russ Osgood and Convair Golf Club President Art King.

CRA golf events are open to all Convair employees, men and women, who have established handicaps on file with the golf commissioner. Handicaps may be filed by turning in an attested 18-hole score.

Convair Golf Club events are open to all members of the club. Dues may be paid at any of the club's monthly meetings (first Thursday of each month, CRA Clubhouse at 7:30 p.m.) or on the starting tee at any of the 1955 events with the exception of the club championship in April.

Several featured tournaments are on the agenda for 1955 including the 36-hole medal play Convair Golf Club Championships April 9 and 10 at Agua Caliente and April 16 and 17 at Rancho Santa Fe. Convair golfers may enter the San Diego City Industrial Recreation Tournament slated for a date yet to be announced in May.

The second annual Charles Yater Memorial Tournament will be held Aug. 20-21 and Aug. 27-28 at La Jolla and Agua Caliente. Oct. 15, 22 and 23 have been reserved for the annual Convair Plant Championship with opening rounds at La Jolla and Rancho Santa Fe and final rounds at Agua Caliente.

Here is a complete breakdown of the schedule (all are sweepstakes events, unless otherwise indicated):

★ ★ ★

CRA Golf Events

March 26-27, La Jolla Country Club.
April 23-24, Agua Caliente Country Club.
May (date undecided), San Diego City Recreation Tournament.
June 18-19, Agua Caliente C.C.
July 23-24, La Jolla C.C.
Aug. 20-21-27-28, Charles Yater Memorial at La Jolla C.C. (20-21) and Agua Caliente C.C. (27-28).
Sept. 24-25, Rancho Santa Fe.
Oct. 15-22-23, Convair Plant Championship at La Jolla C.C. (15), Rancho Santa Fe (15), and Agua Caliente C.C. (22-23).
Nov. 19-20, La Jolla C.C. (turkey sweepstakes).
Dec. 17-18, Agua Caliente C.C. (turkey sweepstakes).

★ ★ ★

Golf Club Events

April 9-10-16-17, Club Championship, Agua Caliente C.C. (9-10) and Rancho Santa Fe (16-17).
May 7-8, La Jolla C.C.
June 4-5, Agua Caliente C.C.
July 9-10, Rancho Santa Fe.
Aug. 13-14, Agua Caliente.
Sept. 10-11, La Jolla C.C.
Oct. 8-9, Agua Caliente C.C.
Nov. 5-6, Rancho Santa Fe.
Dec. 3-4, Agua Caliente C.C.

Sports

San Diego Little League Players to Meet April 4 at CRA Clubhouse to Plan Season

Little League baseball season will get under way April 4 at Convair SD with a registration meeting for players at the CRA Clubhouse beginning at 7 p.m.

"All Convair sons between the ages of 8 and 12 interested in competing in CRA Little League activities this year must be present to register," said Commissioner Pete Beyrer. "Parents are also welcome at the meeting."

Players, who are requested to bring their birth certificates, will see a baseball training film.

CRA will again field four Little League teams this spring with practice games scheduled for two months and the first round of competition slated for June 13. Teams will play two games each week for nine weeks with the winners of each half playing for the loop championship.

All Convair sons who will not reach their 13th birthday before Aug. 1, 1955, are eligible to compete.

Tickets Available For Roller Skating

Free tickets to the March 28 Industrial Recreation Council Roller Skate Night are available to Convair SD employees at employee service offices at both SD plants.

Skateland, Front and G Streets, is the site of the regular monthly events which run from 6:30 until 9:30 p.m. Rental shoe skates are available at a nominal fee and clamp-on skates are free.

GUN GIRLS—Shooting over the traps is no strictly masculine enterprise. Shown at a Convair Gun Club shoot at San Diego recently: front row, left to right, Ruth Schultz, Glenys Sears, Alecia Pepper, Jayne Davis, Verna Pharis; back row, Willa Dean Isbell, Anne Feeney, Martha Woodberry, Helen Field, D. S. Meredith, Billie Allen.

Giant Aircraft Hangar Built at Carswell AFB Houses 4 B-36s at Once

An aircraft hangar so big it could house eight football games at the same time was completed this month at Carswell Air Force Base—across the runway from Convair Fort Worth.

The mammoth hangar is large enough to accommodate four Air Force B-36s at once.

Price tag on the hangar is $2,750,000. Building was supervised by the U. S. Army Corps of Engineers.

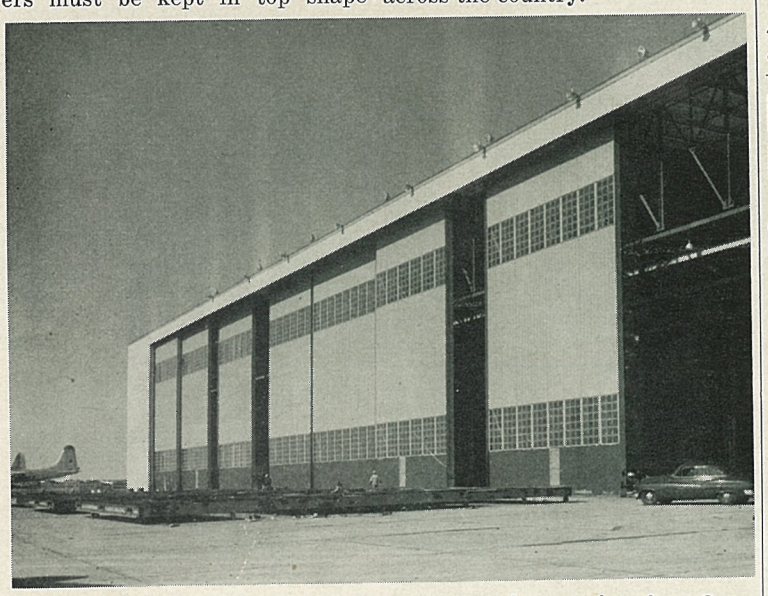
Four B-36s—worth far more than the price of the hangar—can be worked on side by side under protection. As a Carswell spokesman pointed out, the bombers must be kept in top shape and constantly ready for an alert. Otherwise their value to the country is limited.

Inside the hangar are 11 separate maintenance shops housed in the four subdivisions of the hangar. There 500 skilled mechanics have tools and parts within their reach.

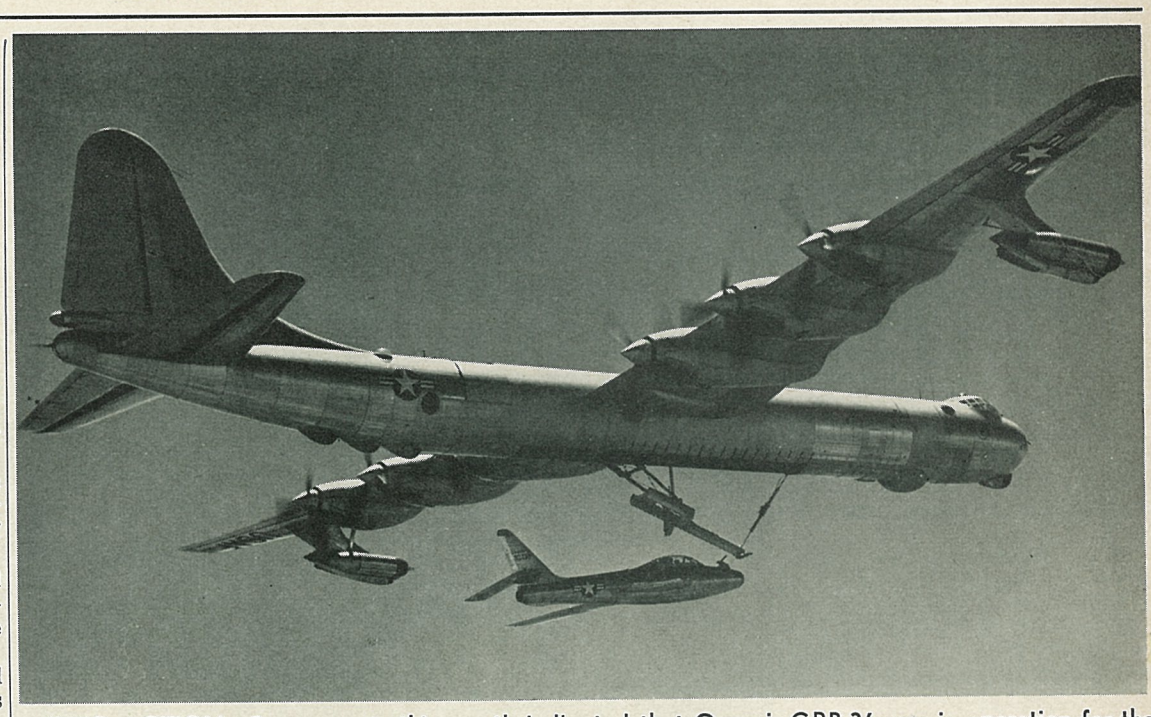
Electrically operated doors open at a touch and glide along railway tracks. There are 32 of the 20-ton doors.

In case of fire, corrugated steel curtains, hanging from the 66-foot high ceiling, will isolate the danger.

Similar hangars are planned for Strategic Air Command bases across the country.



BIG ROOF—Mammoth new hangar recently completed at Carswell, across runway from Convair FW, is large enough to house four B-36s at once. Area is enough to make eight football fields!



INTO ACTION—Press reports this month indicated that Convair GRB-36s are in operation for the Air Force. Airplanes act as mother ships for F-84F jet fighters, launching and retrieving them in mid-air. Shown is gear which pulls fighter snugly into cavity which in other B-36s is part of bomb bay.

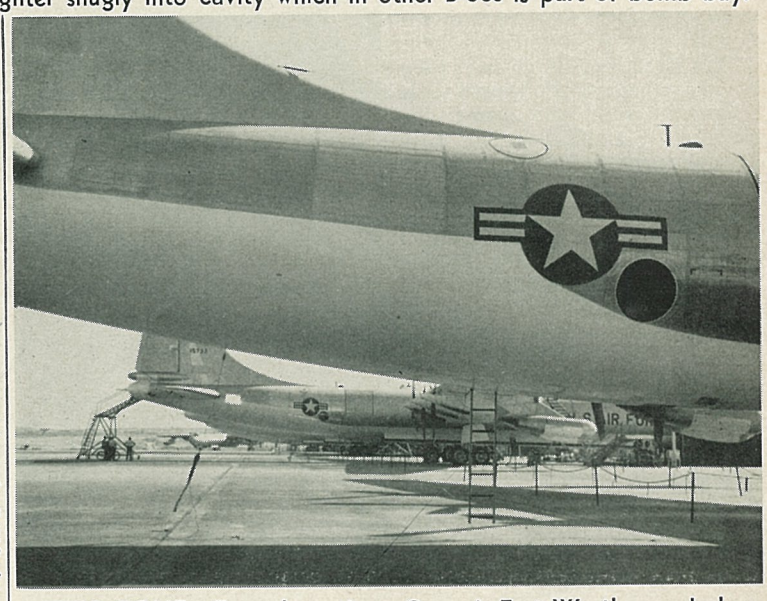
Disabled Veterans Honor SD's Pasek

The Disabled American Veterans this month singled out a Convair San Diego man for unusual honor.

He is H. E. Pasek, employment supervisor, who was presented with a special plaque at a banquet meeting March 5 by Lynn Ernest of Los Angeles, California, department commander.

The plaque read: "For exceptional and meritorious conduct in the performance of outstanding service for the Disabled American Veterans." Pasek, with other Convair men was involved in the project which ultimately assigned to disabled veterans the task of sorting thousands of pounds of Convair SD salvage material each month. Also, over the years he has been prominent in finding employment for the handicapped.

HONORED—H. E. Pasek, Convair SD employment supervisor, with plaque awarded him by Disabled American Veterans for his assistance over the years to the handicapped.



TWO TONE—For a long time, Convair Fort Worth people have known that B-36 undersides are being painted white. Only recently, however, has the explanation been released. It is to help protect Air Force crews from heat radiation from atomic bombs. (Photo above was touched up somewhat to give sharper contrast.)

Hard Water Turned Soft For New Steam Heating System at SD

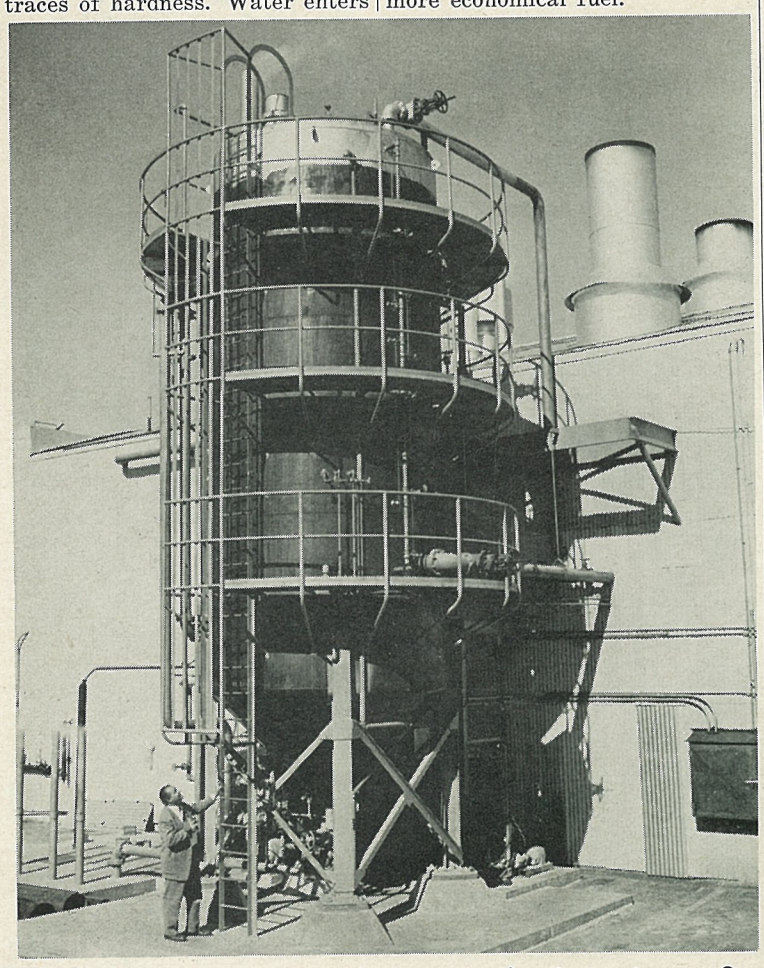
A new steam heating system, involving a water softener of monster proportions, went into service at Plant 1 San Diego recently.

The equipment is part of a $450,000 program. The softener and two new high capacity boilers already are in operation. During the next two years three more boilers will be added. These replace 22 smaller ones previously in use.

The "Hot Process Lime and Soda Softener" treats San Diego city water (with hydrated lime and soda ash) to remove all traces of hardness. Water enters the cone shaped softener from the top, is heated by steam to more than 212 degrees, and mixed with the chemical solution. When the water comes out and flows to the boilers it is softer even than the distilled water sold commercially.

Previously, the softening process had been conducted in the boilers themselves, with resulting problems involving removal of sludge.

Plant engineering, which made the installation, predicted a saving of thousands of gallons of water annually (previously necessary to wash out the boilers) and more economical fuel.



SOFT WATER—Key part of new steam heating system at San Diego is this monster water softener, which removes minerals before water is introduced into boilers. T. S. Smith of plant engineering looks over the new installation.

Cohu to Head SD's Community Chest

LaMotte T. Cohu, member of the General Dynamics Corporation Board of Directors and a former president of Convair, has been named president of the Community Chest at San Diego.

Cohu, last year's vice-president, succeeds Vice Adm. Wilder D. Baker in the top post.

Members of the Chest's new Board of Directors include B. F. Coggan, manager of Convair San Diego.

Erickson on Tour Of British Firms

B. A. Erickson, manager of flight at Convair Fort Worth, is touring Europe this month.

On a combined business trip and vacation, Erickson will visit British aircraft firms including A. V. Roe and Company, Ltd., in Manchester; and English Electric Company, Ltd., in Preston.

Erickson will discuss with company test pilots the flight characteristics and mechanical make up of high performance aircraft.

B-36s Assigned Big Role In Nevada Desert Tests

Convair-built Air Force B-36s played big roles in Atomic Energy Commission blasts in the Nevada desert this month.

One of the SAC crews taking part was the 7th Bomb Wing, 492nd Bomb Squadron, from Carswell AFB.

More than 60 SAC intercontinental and medium bombers simulated wartime roles in the AEC's atomic weapons test series.

So great are the blasts that flashes have been seen more than 800 miles away. A blast on March 7 was equivalent to 40,000 tons of TNT—nearly twice as large as the ton rating of the Hiroshima and Nagasaki bombs.

The tests are serving as a baptism in nuclear warfare for some 600 soldiers on the ground and scores of planes in the air.

Thirteen different SAC wings from all parts of the country are represented. Several reconnaissance bombers were also used.

* * *

A B-36 was one of the principal attractions last month at the inauguration of President Luis Batile Berres of Uruguay.

Responding to an invitation from Uruguay, SAC assigned Lt. Col. James H. Seely, aircraft commander, and his crew from the 98th Bomb Squadron, 11th Bomb Wing, Carswell AFB, Fort Worth. They flew non-stop to Montevideo in 25 hours, passing over Mexico City, Cocos Islands, Lima, Peru, Antofagasta, Chile, Buenos Aires, Argentina. During the flight they topped the 23,000-foot Andes.

On the return trip they "buzzed" Buenos Aires at 1,000 feet—on invitation. It was the first B-36 to visit South America.

* * *

Convair-built Air Force B-36s can really take it.

That was the consensus of airmen and officers of the 7th Bomb Wing at Carswell Air Force Base this week after 15 of the wing's bombers took part in a simulated combat mission to icy Loring AF Base, Limestone, Maine.

The planes flew through buffeting winds up to 120 knots an hour—and bitter, penetrating cold.

At Limestone, the Texas-based airmen found nearly five feet of snow. Temperatures sank as low as 27 degrees below zero. Nine inches of snow fell during their stay, and runways had to be cleared of drifts to give the B-36s' wings, props and jet pods room for takeoff.

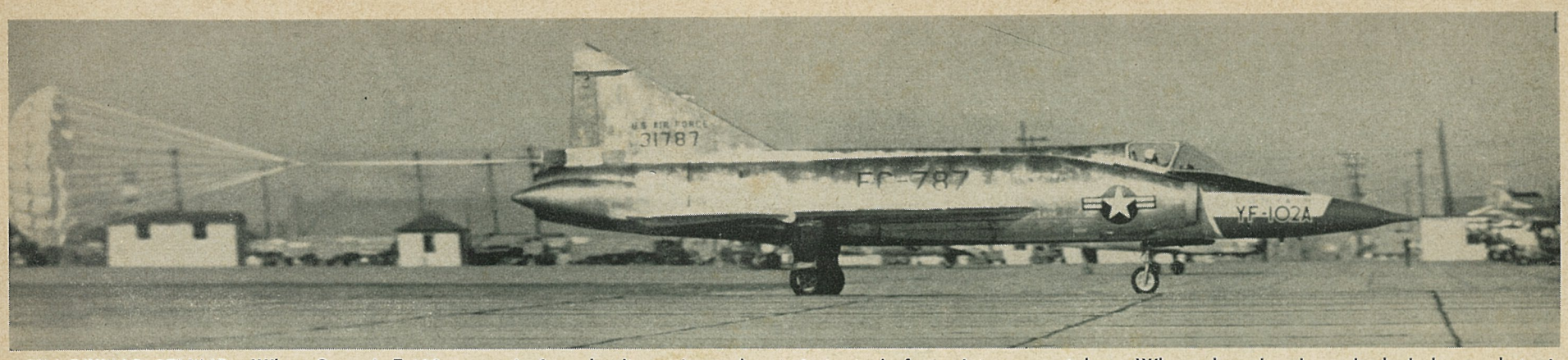
Expansion of General Dynamics' Manufacturing Facilities Noted

Expansion and improvement of General Dynamics Corporation manufacturing facilities are in prospect.

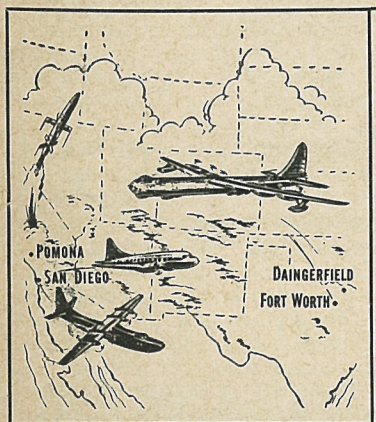
The outlook was included in a General Dynamics press release in connection with the authorization by the Board of Directors of a $40 million issue of convertible debentures, due in 1975.

"The main purposes contemplated for the proceeds are expansion and improvement of the Corporation's manufacturing facilities, the acquisition of other properties, and the further development and expansion of all spheres of business now carried on," the release read.

"In addition, new areas are planned for the future with particular emphasis in the fields of nuclear energy, aircraft production, including atomic powered aircraft, and the manufacture of both conventional and atomic powered submarines . . ."



BILLOWING BEHIND—When Convair F-102s come in for a landing, it's regular procedure—as with most all of the fastest modern jets—to use a drag chute to slow them down and reduce the run. F-102 pilot above released his chute a few instants before picture was taken. When plane has been braked down, chute is jettisoned and later picked up for repacking. For story on F-102s far afield, see page 8.



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Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

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San Diego EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.

PRESENTATIONS — Pomona's Con-Trib-Club Committee and movie star Walter Pidgeon were interested onlookers Friday when Con-Trib received plaque as outstanding employee organization of its type in San Gabriel Valley and presented check to American Cancer Society. H. S. Naish, Con-Trib chairman, accepts plaque, while Walter Bagby of ACS receives check.

Cancer Society Honors Con-Trib At Pomona For Community Help

The Convair Pomona Employees Con-Trib-Club received special recognition Friday at the second annual American Cancer Society kick-off luncheon held in the Embassy Room of the Ambassador Hotel in Los Angeles.

The club was cited as the outstanding employee organization of its type in the San Gabriel Valley area, and was one of ten such organizations in Los Angeles County to receive such recognition. The award was accepted on behalf of the club by H. S. Naish, chairman.

At the same time Naish tendered a check for $1,417.75 to the Cancer Society as the Con-Trib-Club's 1955 contribution to the Los Angeles chapter. The check was given on behalf of all Con-Trib-Club members residing in Los Angeles County.

The luncheon, which officially opened the 1955 fund-raising campaign in Los Angeles County, was attended by civic leaders and American Cancer Society officials from all over Los Angeles County. Movie star Walter Pidgeon, Acting Mayor John S. Gibson and many others were present for the occasion.

All 12 members of the Con-Trib-Club committee were present at the luncheon. They are: Robert Thompson, representing the International Brotherhood of Electrical Workers; Harry Stephens, for the International Union of Operating Engineers; Don J. Finley and Edith P. Mead for the Interna-

(Continued on Page 2)

Sign-up For New Insurance Starts Tomorrow at Convair Pomona

The sign-up period for additional life insurance and dependent coverage under the new group insurance program at Convair Pomona, which goes into effect April 18 for eligible employees, opens tomorrow (April 7), H. D. Filloon, manager of industrial relations and security, announced.

Meetings to bring supervisors up to date on the provisions of the new program have been in progress this week. Representatives of the Aetna Insurance Company, the firm which carries Convair group insurance, and of the employee service section have been conducting the meetings.

"Additional life insurance beyond the $5,000 provided free of charge by the company is available to many employees," Filloon said. "This insurance is in fixed amounts, according to pay status, and the cost is only 44 cents per month per $1,000 of insurance.

(Continued on Page 2)

Applications Close For Scholarships

Applications for the Convair undergraduate scholarship program were being processed at all Convair divisions this week. Candidates will be notified of their eligibility and the time and place of a personal interview on or before April 15.

Winners of the scholarships, two each at Convair Fort Worth and San Diego and one issued jointly between Convair Pomona and Daingerfield, will be announced in May. The scholarships are effective at the beginning of the fall school term this year. Application deadline was March 31.

CRA Drawing For Tickets Renewed

The Los Angeles Angels are coming to San Diego April 13, 14, 15, 16 for games with the Padres and there are 20 free tickets awaiting lucky Convair SD fans, compliments of CRA.

CRA has purchased five tickets for each game and will award them in a special drawing Friday (April 8). Two winners will be picked for each game. One gets three tickets, the other two.

List name, clock and department number on a slip of paper along with plant telephone extension. Drop the slip in boxes located at employee service at either plant or Convairiety office, Building 32, Plant 1. The drawing will be at 3:30 p.m. April 8 and winners will be notified to pick up their tickets.

Second shift employees will be given preference for the Saturday afternoon game, April 16.

Convair Daughter Karen Dunlavey Wins $1,000 Scholarship Award

Karen Dunlavey, daughter of C. L. Dunlavey, Dept. 72, has been named top winner in the Convair San Diego Management Club scholarship contest for 1955.

Karen will receive $1,000 to be used in her college training during the next four years. She will also represent the club in the Zone A NAF scholarship contest. First prize in that competition is $500 with judging slated for May 6.

William Johnson, son of H. R. Johnson, Dept. 403, won second place in the scholarship contest and an award of $500. Third prize went to Mary Bigler, daughter of R. E. Bigler, Dept. 6, along with a $250 award.

Eighty-one Convair SD sons and daughters applied for the scholarships.

Final judges in the contest were R. S. Putnam, industrial relations director at Solar, and H. E. Shierson, coordinator of vocational guidance of the San Diego City Schools. Essay judges included R. B. Watts, Convair vice president and general counsel, Eldon Frye, assistant director of advertising for Convair, and D. D. White of the Convair training section. F. E. Roeder, Dept. 3, assisted in conducting the aptitude tests.

Heading the scholarship committee was Wayne Zook, Dept. 9.

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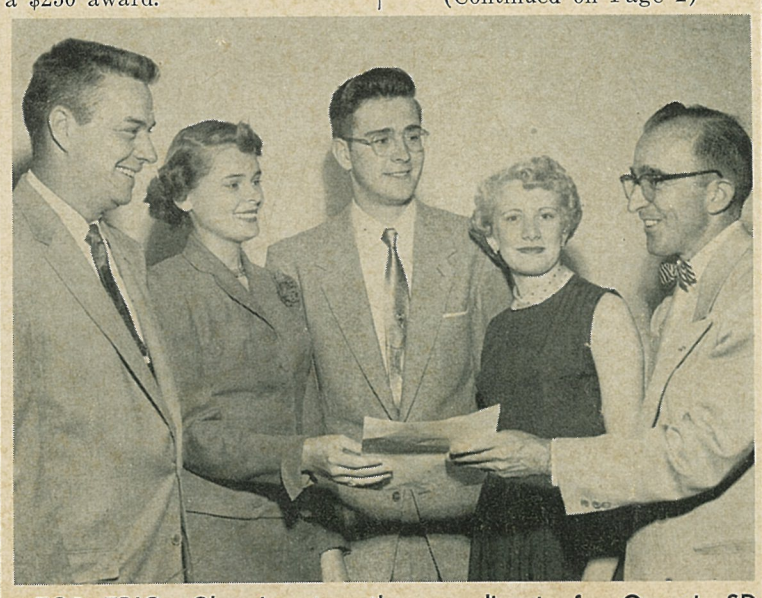

TOP TRIO—Choosing top three applicants for Convair SD Management Club scholarships was harder this year than ever before, for quality of all candidates was superior. With winners Karen Dunlavey, William Johnson and Mary Bigler are, left, Lee House, club president, and Wayne Zook, scholarship chairman.

Larry Roth Named President of CRA

Larry Roth, Dept. 70, was named president of CRA at San Diego during the annual election of officers last Friday.

E. H. Davies was elected vice president, Marty Stutz, treasurer, and Grayce Fath was re-elected secretary.

New Milling Machine Run by Electronics Under Development

Convair will develop the aircraft industry's first electronically controlled milling machine, Gen. Joseph T. McNarney, president of Convair, revealed last month, at San Diego.

McNarney estimated that the machine, which will be developed under a $1,128,000 Air Force contract, will be completed in about 18 months.

Involving a revolutionary industrial concept, the machine will be capable of producing aircraft dies and parts of any shape within the second degree curves embodied in modern airplanes. It will be built to operate electronically, its four cutting heads and bed and turntable obeying the commands of a magnetic tape which will carry the engineering requirements.

The electronic control system will be based on development work done by Massachusetts Institute of Technology, also under AF auspices. Convair already has developed detail design specifications.

B. F. Coggan, manager at San Diego, saw the project as "a major step . . . toward reducing costs and improving quality by means of automation . . . It foreshadows improvement of even greater magnitude in aircraft production methods."

A new system of coding engineering dimensions and formulas from drawings will be required to make the machine work, Thomas E. Piper, assistant to Convair's executive vice president, said. With this "language" to work with, a tool program engineer will feed the engineering design into the machine in terms of machine setups, feeds and speeds.

The system and the machine will be installed at San Diego's Plant 2.

A. P. Higgins, Plant 2 works manager, and W. P. Woods,

(Continued on Page 3)

Nuclear Study Plan Revealed

General Dynamics Corporation soon will launch a year-long study of nuclear reactor technology, the Atomic Energy Commission announced last week from Washington through AEC Chairman Lewis L. Strauss.

The study, which General Dynamics estimates will cost about $200,000, will be conducted under AEC's industrial participation program. Under investigation will be nuclear power equipment such as small reactors and especially designed components of reactor systems with a view to manufacturing such products.

Various problems related to the peaceful applications of nuclear power such as decontamination services, utilization of by-product radiation, instrumentation, waste disposal, and materials and equipment required in handling these problems will be included in the study.

The AEC has announced that it will make available the reactor technology already developed and will provide necessary consultation services of its personnel and

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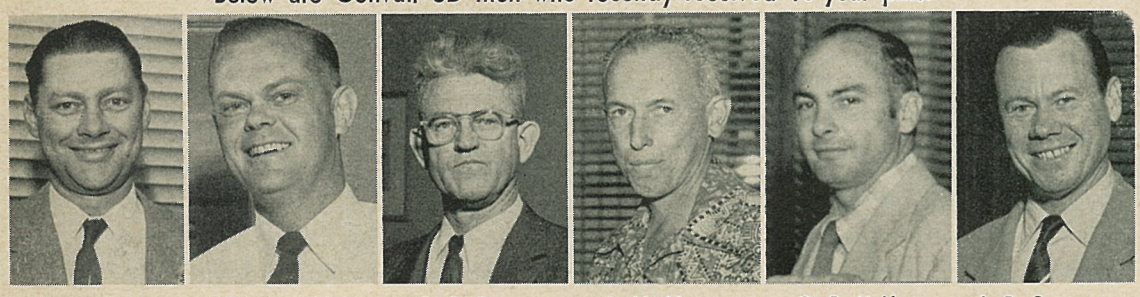
★ ★ Log Book Entries ★ ★

Below are Convair SD men who recently received 15-year pins:

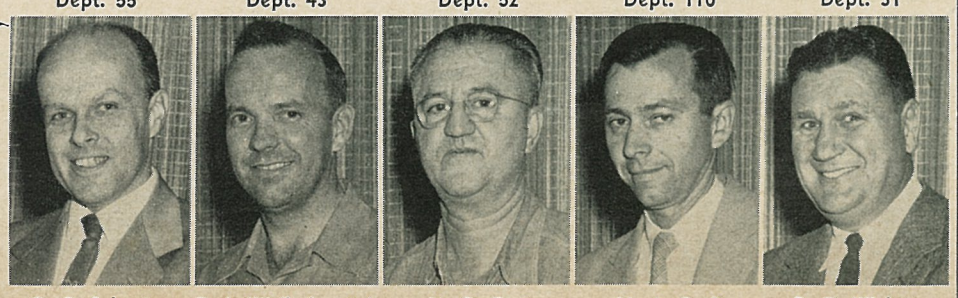


D. H. Sandin, Dept. 24-1 — A. M. Van Horne, Dept. 524-2 — C. B. Swope, Dept. 9-8 — R. H. Hunter, Dept. 31 — C. R. Yokley, Dept. 31 — J. R. Spurgeon, Dept. 6

W. O. Toomire, Dept. 31 — W. M. Flenniken, Dept. 22-8 — John Walsh, Dept. 14-1 — R. C. Maving, Sr., Dept. 258 — C. F. Blair, Supt. — V. C. Breit, Dept. 225

L. P. Sabat, Dept. 28-7 — F. J. Serio, Dept. 55 — H. E. Kropf, Dept. 43 — J. E. Mikol, Dept. 52 — Michael Chakarun, Dept. 110 — W. L. Tate, Dept. 31

New 15-Year Service Men At Convair Pomona



G. E. Sylvester, Dept. 6 — P. J. Wallrabenstein, Dept. 51 — H. C. Fruit, Dept. 52 — H. A. Swift, Dept. 6 — R. D. Webster, Dept. 5

Service Emblems

SAN DIEGO

Service emblems due during the period April 1 through April 15:

Twenty-year: Dept. 30, C. S. Halsey.

Fifteen-year: Dept. 6, D. H. Bennett, Henry Eigenmann, A. G. Johnson, S. C. Southerland. Dept. 22-2, J. W. Hoerger. Dept. 28, T. A. Bessey, T. W. Brotherton Jr.

Dept. 31, G. V. Kobets, A. J. Lux, F. C. Pridgen. Dept. 110, F. E. Rockey. Dept. 204, H. W. Schuster. Dept. 258, H. H. Frein. Dept. 401, W. L. Clapper, N. M. Monteith. Dept. 524-6, S. H. Stevens. Dept. 603-2, H. E. Kobrich.

Ten-year: Dept. 1-31, Kay O. McPherson. Dept. 1-51, Ellen C. Andreasen. Dept. 4-1, J. B. Gilmore. Dept. 6, H. L. Evans, M. W. McCreary. Dept. 8, H. A. Cowell, A. W. Pisarchik.

Dept. 11-2, Jewel L. Hilton. Dept. 22, Vera M. Newton, Velma D. Smith. Dept. 24-2, N. L. Smith. Dept. 28, F. A. Drinkwater, P. C. Nelli. Dept. 31, Ruben Casillas. Dept. 70, O. W. Dare. Dept. 102, J. R. McDonald Jr.

Dept. 202, S. E. East. Dept. 205, L. G. Hamm. Dept. 300, R. R. Fargo. Dept. 350, Floy C. Allen. Dept. 375, J. R. Behrns. Dept. 522-1, Alice C. Root. Dept. 529-1, W. M. Hassard. Dept. 558, C. R. Jackman.

Five-year: Dept. 1-34, Lawrence Reed. Dept. 3, Ann S. King, Jack Pinneo. Dept. 6, D. H. McMarce, F. W. Reed Jr. Dept. 9-5, J. A. May. Dept. 10, A. U. Kaufenberg, G. F. Lawrence, C. M. Patterson. Dept. 14, Katie T. Burgess, Julia E. Olson.

Dept. 22-8, Isobel Palmer. Dept. 25-1, F. E. Brandow, J. H. Kelley. Dept. 28-8, C. J. Blynn. Dept. 40, Agnes G. Goebel. Dept. 55, Dora G. Hays. Dept. 101, Grace M. Salley.

Dept. 102, Forrest Martin. Dept. 210, H. T. Chambers. Dept. 212, Loretta M. Blalock. Dept. 235, Mae W. Francis. Dept. 250, Amalia M. Severs. Dept. 258, J. C. Weatherly. Dept. 300, H. E. Parker. Dept. 403, E. B. Denton Jr. Dept. 410, A. C. King. Dept. 528-8, Clarinda W. Teegarden. Dept. 529-1, C. E. Duffie.

POMONA

Ten-year: Dept. 6, Marguerite C. Aman, L. F. Flinn. Dept. 53, A. L. Marker Jr.

Five-year: Dept. 5-2, L. H. Hill. Dept. 6, Robert Gladstone, C. J. Schuler. Dept. 27-1, C. W. Perry.

Deaths

SAN DIEGO

HARMON—Ralph E., Dept. 3, Plant 2. Died March 25. Survived by wife, Mrs. Beulah Harmon, two daughters.

PANDEL—George, Dept. 406. Died March 19. Survived by son, Lt. T. G. Pandel, USA, and daughter, Mrs. Margie Bailey.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective March 21:

Dept. 4-1, Material Control: To material control asst. supervisor, A. L. Ratz.

Dept. 6, Engineering: To test lab group engineer, W. M. Sutherland.

Dept. 25, Plant Engineering: To resident engineer, E. K. Free. To foreman, J. W. Ratz.

Dept. 44, R3Y Hull Sub-Assembly: To asst. foreman, D. C. Olson.

Dept. 201, Sheet Metal: To asst. foreman, R. D. Franklin.

Dept. 215, Machine Shop: To asst. foreman, W. L. Carr, A. L. Vachon.

Dept. 303, Model 8 Flight Test Operations: To chief of model 8 field operations, H. L. Sterling.

POMONA

Dept. 4, Material: To material control general supervisor, M. V. Sheffield.

Dept. 6, Engineering: To senior design engineer, J. W. Dunifon.

Dept. 72, Test Equipment Maintenance: To asst. foreman, H. A. Sweaney.

Births

SAN DIEGO

BELL—Daughter, DeAndrea, 5 lbs. 15 oz., born March 25 to Mr. and Mrs. J. W. Bell, Dept. 40.

COZZENS—Daughter, Ruth Ann, 8 lbs. 13 oz., born Dec. 7 to Mr. and Mrs. C. L. Cozzens, Dept. 350.

DE ANDA—Son, Henry, 6 lbs. 11 oz., born March 6 to Mr. and Mrs. C. M. De Anda, Dept. 101.

GALEA—Son, Charles Patrick, 7 lbs. 6½ oz., born March 14 to Mr. and Mrs. Charles Galea, Dept. 403.

KOZLOWSKI—Son, Stephen Pat, 10 lbs. 4 oz., born March 24 to Mr. and Mrs. S. F. Kozlowski, Dept. 350.

NEWNHAM—Son, Paul A., 6 lbs. 14 oz., born Jan. 10 to Mr. and Mrs. J. A. Newnham, Dept. 6.

ORSINI—Son, Alfred, 7 lbs. 9 oz., born March 13 to Mr. and Mrs. Al Orsini, Dept. 31.

VINSON—Son, Gary Dean, 6 lbs. 9 oz., born Feb. 28 to Mr. and Mrs. C. B. Vinson, Dept. 6.

WALKER—Son, James Michael, 8 lbs. 9 oz., born Jan. 28 to Mr. and Mrs. James S. Walker, Dept. 403.

Personals

SAN DIEGO

I would like to express my deep gratitude to Dept. 440 employees at Westgate for their generosity and assistance during the illness of my wife.

Russell Adams, Dept. 25

* * *

Sincere thanks to my many friends at Convair for their expressions of sympathy at the loss of my mother.

William Hubbard, Dept. 115

Awards

SAN DIEGO

Employee Suggestion awards totaled $1442 for the weeks ending March 10 and March 17:

Dept. 9, Controller's: S. W. Lumnitzer (three awards), $5, $7, $18.25. D. F. McEwen, $90. T. C. Mitchell Jr., $18.25.

Dept. 10, Industrial Accounting: H. E. Dedrick, $10. D. S. Greene, $15. C. H. Hamilton, $7. I. E. Marr, $7. G. V. Matifes, $61.

Dept. 14, Shipping & Material Stores: J. R. Lurry, $15.

Dept. 22, Manufacturing Control: L. M. Craig, $5. B. A. Gattshall, $5. S. E. Smerdov, $5.

Dept. 24, Tooling: N. B. Powell Jr., $95.

Dept. 25, Plant Engineering: C. A. Bertoncini, $5. F. H. Bowler, $5. K. S. Kerch, $10. K. C. Morain, $10. E. F. Smith, $43.

Dept. 28, Inspection, Plant 1: E. J. Barnett Jr., $110. E. N. Costello, $5. R. D. Landis, $6.50. C. W. Owen, $137.50 (partial payment). L. F. Pendarvis, $100.

Dept. 30, Model 8 Final Assembly: R. L. Ortiz, $15. A. C. Wende, $5.

Dept. 31, Experimental: H. L. Brady, $10. J. P. LaLanne, $10. A. H. Schick, $10. F. Takagi, $22. C. A. Wilson, $22.

Dept. 37, C-131B Final Assembly: W. E. Linberg, $15.

Dept. 44, R3Y Hull Sub-Assembly: W. W. Graham, $10.

Dept. 52, 340 Wing: I. Bracamontes (two awards), $10, $12.50.

Dept. 60, Model 8 Wing & Tail: M. F. Castro, $15. H. V. Stickel, $10.

Dept. 70, Model 8 Fuselage: C. Acevedo, $10. B. E. Hill, $5. W. A. Lane, $5.

Dept. 101, Sheet Metal, Plant 1: R. W. Brown, $15. C. DeAnda, $12.50 (final payment). R. F. French, $5. C. Renkke, $15. C. Seaderquist, $100 (partial payment). H. M. Woodard, $15.

Dept. 201, Sheet Metal, Plant 2: L. Fuller, $5.

Dept. 215, Machine Shop: D. M. Allen, $10. A. Becker, $15. M. L. Jones, $5.

Dept. 300, Field Operations: M. W. Coutston, $10. J. C. Hickey, $15.

Dept. 303, Model 8 Flight Test Operations: A. V. Martinez, $10.

Dept. 340, T-29 Final: A. Corrao, $10. F. A. Rado, $17 (final payment).

Dept. 350, Proofing Mock-Up: P. J. Caltagirone, $85.

Dept. 355, Fabric & Tubing: C. H. Schaefer, $10. L. F. Washburn, $10.

Dept. 375, Electronics: H. F. Hopkins, $10.

Dept. 403, Tool & Die Shop: P. Kukuruza, $10.

Dept. 522, Manufacturing Control, Plant 2: T. M. DeBolt, $20.50. G. H. Meldrum, $15.

Dept. 524, Tooling, Plant 2: D. A. Butler, $25.

Dept. 528, Inspection, Plant 2: A. W. Smith, $10. V. S. Tuckerman, $5.

POMONA

Employee Suggestion awards at Convair Pomona totaled $221 at the period ending April 1.

Dept. 4: B. W. Mueke, $40; R. L. Roby, $50.

Dept. 22: Virgil Gamble, $60.

Dept. 27: Jack Brewer, $10.

Dept. 42: A. J. Guest (2 awards) $20.

Dept. 51: P. J. Wallrabenstein, $20 (final payment).

Dept. 73: L. E. Dorsey, $21.

C.I.P.s for the same period were:

Dept. 22: J. L. Phelan.

★ Convairiety ★

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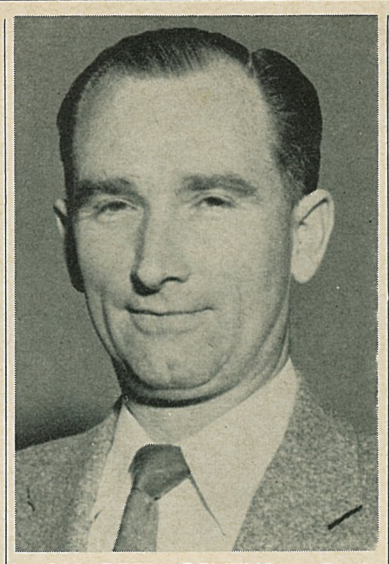
SD Ediorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.



QUARTER CENTURY—R. L. Williams of Dept. 215 recently became a new member of Convair 25-year service club.

Pomona's Safety Program Praised

Convair Pomona's Safety program received some complimentary comment in a letter received recently by Manager Charles F. Horne from Capt. F. C. Manville, USN, Naval Inspector of Ordnance, Pomona.

The letter stated:

"As a part of a familiarization program, Lt. (jg) Balkin . . . was requested to conduct a detailed survey of safety and accident prevention presently in effect at the Naval Industrial Reserve Ordnance Plant, Pomona. . . .

"The Naval Inspector of Ordnance wishes to compliment the contractor (Convair) management on the favorable findings of this survey and on the overall compliance with prescribed procedures. . . . "

New Nuclear Study Program Revealed

(Continued from Page 1)

of contractor personnel as required.

Late last month, John Jay Hopkins, chairman and president of General Dynamics announced the formation of a nuclear planning group at Convair, headed by Dr. Frederic de Hoffmann as vice president for nuclear planning. Hopkins also announced the engagement of 14 other distinguished scientists as members of a consultant staff.

Karen Dunlavey Wins $1,000 Scholarship

(Continued from Page 1)

The committee included G. O. Couchman, R. B. Kalanquin, G. C. Kolsky, R. H. Nall, and Joe L. Williamson. Dave Archibald is the club's Board of Control representative on the program.

Insurance Sign-up Starts Tomorrow For Convair Pomona

(Continued from Page 1)

"Since this cost is the same to all eligible employees, regardless of age, we are urging all employees, especially those with families, to take advantage of this unusual opportunity to secure additional protection," he continued.

"We are also urging eligible employees with families to secure group insurance coverage for their dependents," he said. "Cost of the basic insurance program for participating employees is paid by the company, but the cost of dependent coverage, which is only $1.62 a week, must be paid by the employee."

The new program will cover all supervisory employees, those represented by the International Association of Machinists, and the International Union of Operating Engineers, and all employees not represented by a bargaining unit.

The sign-up period will close on Friday, April 15, and the new insurance program will go into effect the following Monday, April 18. The insurance premium moratorium, in effect since last September at Pomona, was continued until April 17 to fill the gap between the original expiration date of the moratorium in March and the earliest practical time the new program could be put into effect.

Con-Trib Club Honored For Community Help

(Continued from Page 1)

tional Association of Machinists; Russell Hinks and Henry Guluarte for the Engineers and Architects Association; Leo J. Enfield, K. Var Saunders and M. D. Phillips for the Management Club; and Naish, Merle Taylor and H. M. Towar Jr., for the company.

* * *

Convair Pomona employees, through their Con-Trib-Club committee, last week pledged a total of over $3,500 to two charitable organizations and tentatively pledged $425 to another.

At a meeting last Wednesday a second reading and final approval were given to pledges of $2,160 to the Pomona Red Cross and $1,417.75 to the Los Angeles County Chapter of the American Cancer Society.

First reading and tentative approval was given to a pledge of $425 to the Claremont Red Cross.

CONNOR SELECTED

Convair Pomona's Dale R. Connor, staff assistant to the factory manager, has been named vice president of Zone A, National Association of Foremen. Connor, who has been with Convair since 1950, has been serving as a national director of the NAF since 1953.

Much Traveled—but Little Flown—Model 240s That Went to China Will go Into Service Again

Three Convair-Liner 240s that once felt the heat of Communist aggression in China are due to return to the air soon carrying passengers for Mohawk Airlines.

The 240s, part of an original order of six Convair-Liners delivered to Central Air Transport Corp., a Nationalist China airline, in 1949, are now being returned to flight status by Grand Central Aircraft Co. of Glendale with parts kits being supplied by Convair San Diego.

"The kits include many pieces of equipment developed since the airplanes were factory completed," said R. M. Williams, parts sales supervisor at SD.

A brief but rugged flight career preceded two long storage periods for the airplanes. They were first used in around-the-clock evacuation of personnel and equipment from Canton to Hong Kong just before the Chinese mainland fell to the Communists. Then followed a long period of storage during lengthy litigation which resulted in ownership being awarded Gen. Claire Chenault's Civil Air Transport, Inc., of Delaware.

Convair sent two service engineers, B. B. Gray and H. M. Bohmbach, to Hong Kong to arrange for surface transportation for the airplanes back to San Diego.

(While Convair sent six airplanes originally, only five were returned. The fate of the sixth is uncertain, although it was reported appropriated by the Communists.)

Convair SD returned the five airplanes to "fly away" status and they were again stored, this time at Glendale. Two were recently converted to executive transports. Although they have done a lot of traveling, actually the new Mohawk ships have little flight time on them, less than 500 hours.

New Books

SAN DIEGO

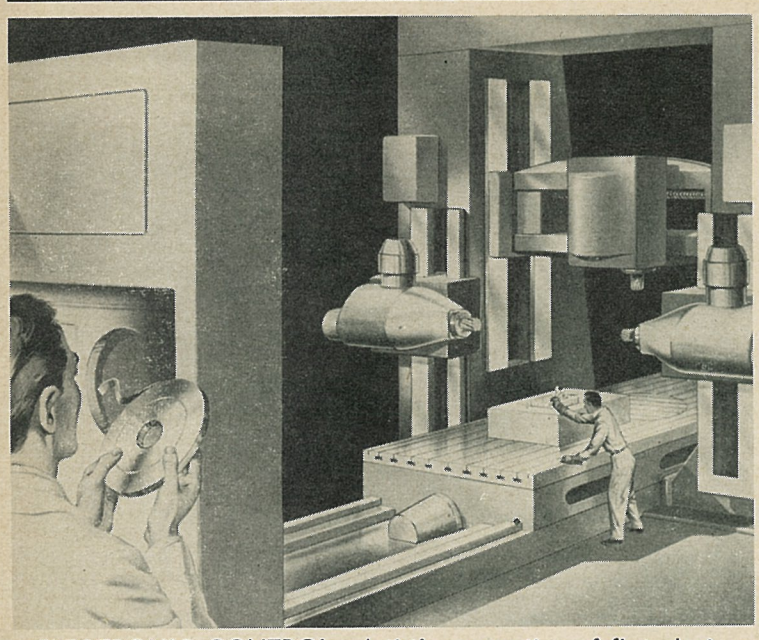
Following are the titles to new volumes recently added to the Convair Library, first floor, Bldg. 14, Plant 1:

Automation—by John Diebold.

Review & Reflections—Half a Century of Labor Relations—by Cyrus Ching.

Living Mathematics—by Underwood & Sparks.

The Whole Man Goes To Work—by Henry L. Nunn.



ELECTRONIC CONTROL—Artist's conception of first electronically controlled milling machine, to be developed by Convair under Air Force contract. Cutting heads, turntable and movable bed will obey commands transmitted on magnetic tape.

Convair Gets Order to Develop Electronic Milling Machine

(Continued from Page 1)

chief tool engineer at Plant 2, will direct the tooling and manufacturing. They were in charge of the research and development group that submitted the milling machine proposal.

Convair's milling machine will differ from existing planers, boring mills and milling machines in that it will be capable of making 18 selective motions. As one tool engineer put it: "We've been talking about developing a five-axis machine (we already have three-axis machines) but this concept makes possible as many as 18 different motions with one machine—an operation so complicated no human could do it and still maintain quality."

The machine will have a 20-foot bed with 10-foot clearance; a rotary turntable; two vertical cutting heads, and two horizontal cutting heads. Cutting angles of the tools may be varied. Both the vertical heads may be operated at once, or both horizontal heads. The machine will have a variable table speed. Its size is believed adequate for any aircraft part likely to be developed in the foreseeable future, Piper said.

Since the machine will cut steels, titanium, aluminum alloys and other metals common to the industry, it not only will be capable of producing such parts as wing spars, milled skins and contoured forged bulkheads, but it will sink dies as well.

After a cutting head has obeyed the commands in the tape and completed its metal-shaping tasks, the head automatically will retract to homing position and the tape will command another head to take over its job. The bed automatically will be engaged and stopped at the tape's command, and the turntable rotated, until the part is finished.

"We are trying to get closer to the product engineering design requirements," said Piper. "With this machine we can make prototype parts as easily and quickly as we can production parts. If tests disclose a weakness in a structure, we can go back to that spot on the tape and mathematically add to or take away metal. Or the same basic data can be used to make a forging die and then the tape can be corrected mathematically to make the machine finish on the forging from the die.

"More important, by using a tape we can get the same part in a production airplane as we had in the prototype, if it is tested and proves satisfactory. If we use this method to make the prototype, we don't have to re-engineer or re-tool for the production airplane. The information already is stored on the tape.

"Once the correct information is on the tape, we will be assured of producing the same part every time. The machine will give us built-in and almost infallible quality control, eliminating the need for intermediate inspection points."

Piper said the numerical machine concept is expected to reduce tool engineering lead time considerably and make possible important savings in materials, an increasingly vital item in aircraft costs. Modern supersonic airplanes demand greater and greater strength-to-weight ratios as the industry moves away from composite structures and toward parts shaped from one slab of metal.

Rubottom Praised For Contribution to Vocational Training

In recognition of "outstanding service to vocational education in the field of industrial education," Herbert W. Rubottom, Convair San Diego chief of training, was honored last month by the Council of California Vocational Associations.

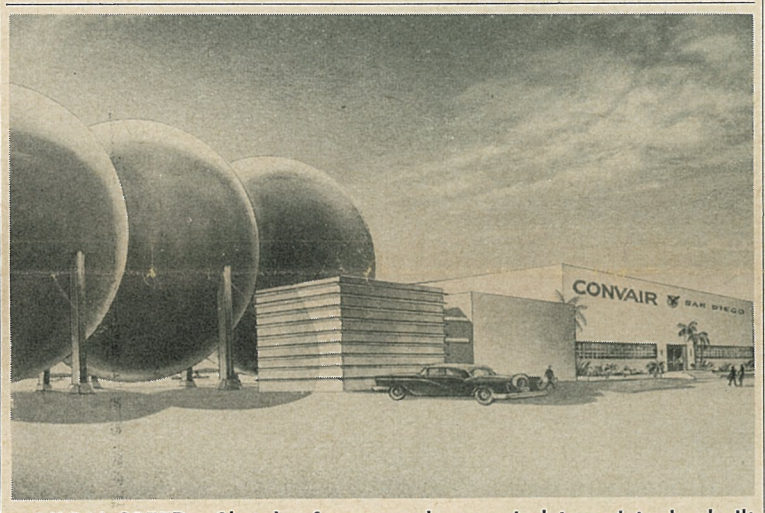
H. W. Rubottom

The award, in the form of a plaque, was made at the council's convention where delegates spoke of Rubottom's contributions to apprenticeship and vocational training not only in San Diego but throughout the aircraft industry of California. Rubottom's response pointed out that "our training department could have done very little without the fine cooperation from those in charge of vocational education in the San Diego Public Schools."

General Dynamics' Backlog a Billion

General Dynamics Corporation's backlog of business at the end of 1954 was "in excess of $1 billion based on contracts, firm orders, and letters of intent," John Jay Hopkins, president and board chairman, announced recently.

Contracts under negotiation totaled about $300 million.



HIGH SPEED—Sketch of proposed new wind tunnel to be built at San Diego seaplane ramp. High-pressure air stored in tanks will be released into tunnel and test models at up to four and a half times the speed of sound.

SD Wind Tunnel to Test Models At Four Times Speed of Sound

Construction work on a new $3,500,000 high-speed wind tunnel at Convair San Diego is due to begin late this summer.

Scheduled for the east end of the Convair ramp property on Harbor Drive, the tunnel will be used to test models of aircraft and guided missiles up to four-and-a-half times the speed of sound. Construction work is expected to take about two years.

The new tunnel is part of a more than $8,000,000 capital expenditures budget recently approved by the General Dynamics Corporation Board of Directors. Other items include more than $1,400,000 for new Convair plant equipment and $980,000 for engineering and laboratory facilities. Previously budgeted and now being constructed or planned are a flight test data reduction building, a hydrodynamics model-testing basin; a fuel and oil systems laboratory, an acoustics environmental laboratory and a high-temperature structural and propulsion laboratory.

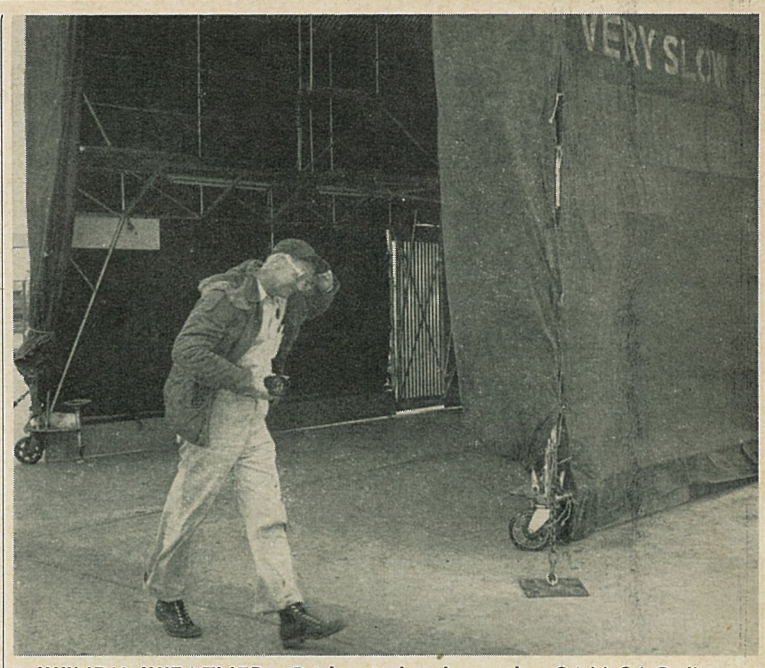
The test section of the new wind tunnel will be four feet square and will be housed in a two-story aerodynamics laboratory building. Three spherical storage tanks capable of holding 20,500 cubic feet of air under pressure of more than 260 pounds per square inch can vary air speeds from one-half to four-and-a-half times the speed of sound.

During tests, the air will be forced into the test section via a connecting tunnel and then through a diffuser to another structure housing a huge muffler.

At present high-speed wind tunnel studies are being made by Convair engineers at the Naval Aerophysics Laboratory, operated by Convair at Daingerfield, Texas; at Pasadena and Moffett Field, Calif.; Langley Field, Va.; and Cleveland and Dayton, Ohio.

"This new wind tunnel will further strengthen Convair's position in fields of supersonic aircraft and guided missiles," said Convair President Joseph T. McNarney. "The value of this new facility in speeding research for national defense cannot be overestimated."

"Well, we never had weather like this under the last administration."



WINDY WEATHER—Brisk winds along the SAM-SAC line at Convair Fort Worth these days carry more than an indication of summer to come. They also carry dust particles that can lodge in the eyes—unless there is eye protection to keep them out. B. H. Rohde of Dept. 63 leans against the gale, eyes guarded by safety glasses.

Wind-Blown Dust Peril To All Without Goggles

High winds recently at Convair Fort Worth brought extra hazards to Convair crews working outdoors.

The danger involves blown particles of dust or foreign matter which can cause painful, if not serious, eye conditions.

"This is a common problem here at Fort Worth," Fred Temple, safety engineering supervisor at FW, said. "In fact, of the 3,200 first aid eye cases at Fort Worth during 1954, a high percentage were traced to wind-blown particles."

Best and only way to positive protection is by wearing a special type of safety goggle which Convair makes available without charge to all in areas where it is advisable. The goggle is so constructed as to make it almost impossible for dust particles to enter the eye.

"Unfortunately, not enough Convair FW people take advantage of this protection," Temple continued. "We wish more would.

"Wearing the goggles is especially important because eye accidents—like automobile accidents—happen when you least expect them."

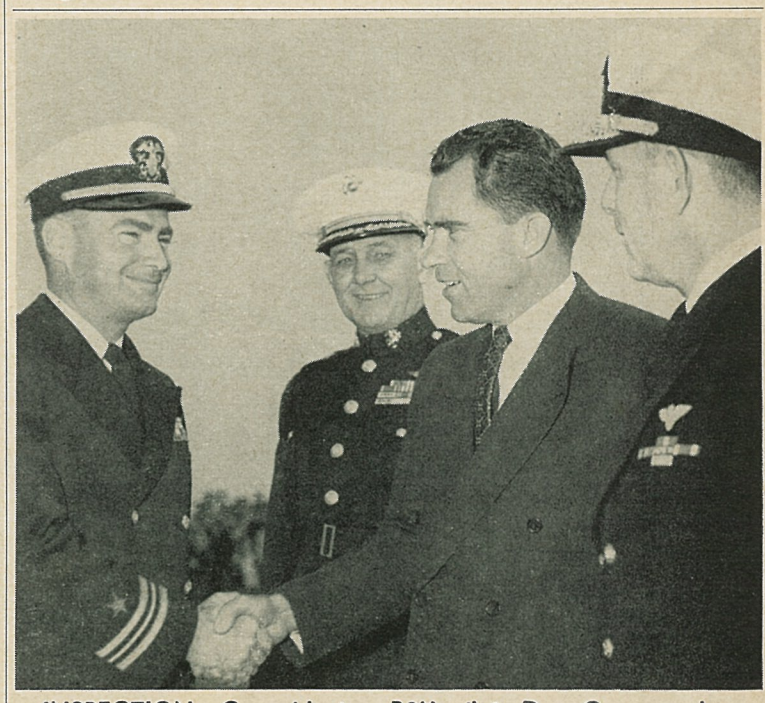
If goggles have not been made available to them, employees were instructed to contact their supervisors.

Though wind-blown particles are not as much of a problem at San Diego and Pomona as at Fort Worth, there are close parallels.

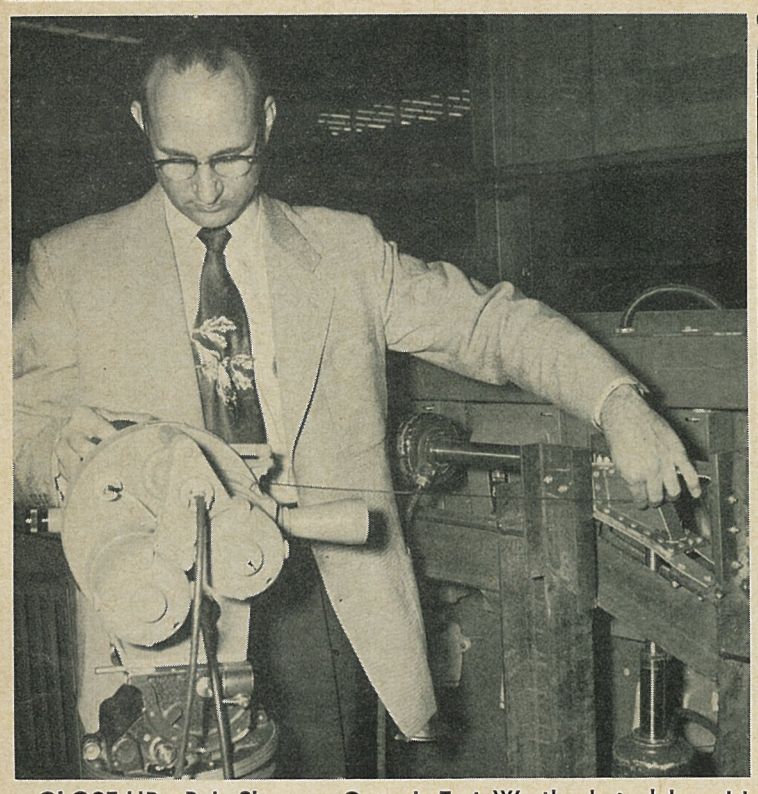
At Pomona many eye cases can be traced to compressed air hoses, used to "dust off" machines. The blown particles are a menace to all without proper eye protection.

Of the 33 serious eye cases at San Diego during 1954 that required a doctor's attention, 18 involved foreign bodies that were either blown into the eye or propelled by some other means. Four were flash burns, two involved blown solvents and nine were caused by blows of some sort. In all instances, the injured men would have escaped had they been wearing the proper type of safety eye protection.

Blown dust has caused many such scenes as this recently at FW. Nurse N. G. Sherman demonstrates technique of removing particles from eye. Safety glasses with side shields are the answer.



INSPECTION—Convair's top R3Y pilot, Don Germeraad, was among those on hand recently to welcome Vice President Nixon during a trip to Naval Air Station, Los Alamitos. One weekend each month Germeraad spends on duty as Naval Reserve lieutenant commander. Looking on are Brig. Gen. F. H. Lamson-Scribner, USMC, and Rear Adm. Daniel V. Gallery, USN.



CLOSE-UP—Bob Slawson, Convair Fort Worth photo lab assistant supervisor, measures distance from Fastax camera to subject for movie in engineering test lab. Camera is used to make "time stand almost still."

Super High Speed Movie Camera Helps Make 'Time Stand Still'

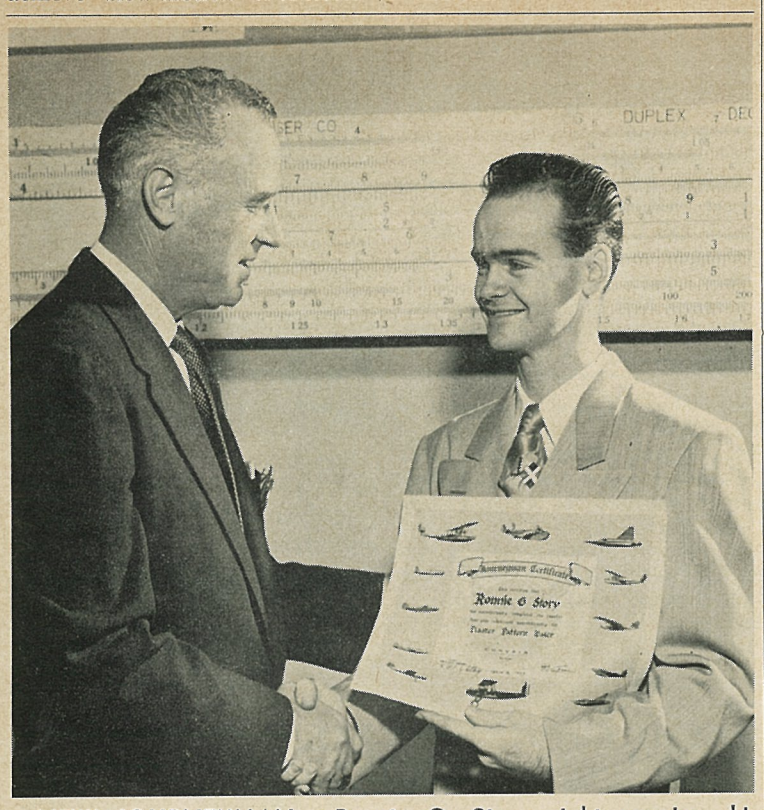
Making time stand still is a neat trick. And it's being done—to a degree—at both Convair San Diego and Fort Worth.

The device that makes it possible is a Fastax camera, used primarily in engineering test laboratories to film "quicker-than-the-eye" developments during tests. A part may disintegrate, so quickly that no human eye can register the action. But not so quickly but that the Fastax lens can capture each tiny step in the action.

As Bob Slawson of the FW photo lab pointed out, popular movies are usually shot at about 24 film frames a second. To achieve "slow motion" it is necessary to shoot from 64 to 128 frames a second. Fastax goes far beyond this and fires up to 3,500 frames a second!

In effect, the camera, shooting at 3,000 frames a second, can "slow down" the speed of a supersonic plane to around three miles an hour!

Because film races through them at such high speed, the cameras operate with a minimum of 100 feet of film. And they need lots of light. FW photographers use 750 watt bulbs, usually about ten of them, to light up the subject. The camera is operated electrically and a rotating prism takes the place of a shutter.



NEW JOURNEYMAN — Ronnie G. Story, right, receives his certificate from A. W. Morgan of Convair SD, assistant division manager-operations, after completing apprenticeship. Both of his parents are at Convair SD.

Newest Apprentice to Become Journeyman Has Both Mother and Father at Convair

It was a Convair affair all around last month when Ronnie G. Story, a Convair SD apprentice since July 20, 1951, became a plaster pattern maker journeyman.

His father is William Story of Dept. 22 and his mother is Mrs. Lorena Story of Dept. 102.

This was the first instance that training could recall of an apprentice graduate having both parents with Convair.

The younger Story was a 1951 graduate of Grossmont high. His apprenticeship included all phases of plaster pattern work, plastics, processing and familiarization in tooling work. He is continuing his studies at San Diego State College at night, taking engineering courses.

'Acting' Dropped From Robertson's Title

Appointment of George M. Robertson as chief engineer has been announced at Convair Pomona by Manager Charles F. Horne.

Robertson has held this position in an acting capacity since Aug. 30, 1954, following the resignation of C. D. Perrine. His appointment became effective March 16.

Pomona Families Attend Scout Event

Boy Scout Troop 7 of Ontario, sponsored by the Convair Pomona Management Club, won a first place in the Old Baldy Council Scout-o-rama held March 26 at the Los Angeles Fairgrounds in Pomona, Scoutmaster John Denault (Dept. 31) reported.

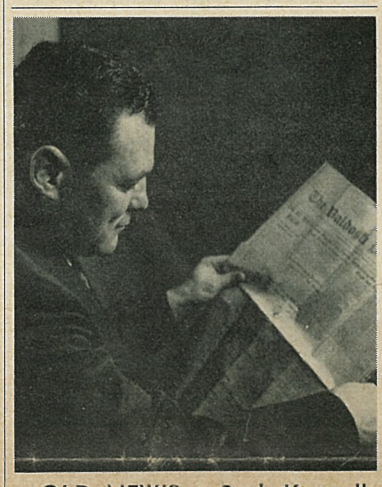
The troop won the award for its demonstration booth on first aid, and accumulated 119 points—only one point less than the sweepstakes winner, Denault said.

An estimated 6,250 scouts, leaders, parents and friends of scouting attended, including several hundred Convair Pomona families.

Rutgers Scholarship Open to SD Sons

Convair SD sons interested in a four-year scholarship to Rutgers University in New Jersey beginning next fall were asked this week to contact Jack Dentz, chairman of the San Diego County Alumni Association of Rutgers.

"This scholarship includes full tuition, room, board, books and fees for four years, plus four round-trip tickets by air from Southern California," Dentz said. Dentz may be contacted at ext. 1641, Plant 1, San Diego.



OLD NEWS — Buck Kernodle of FW labor relations, shown with 1908 Valdosta, Ga., paper that had some interesting news concerning Electric Boat Division of General Dynamics Corporation.

Modern Parallels Found in 1908 Paper

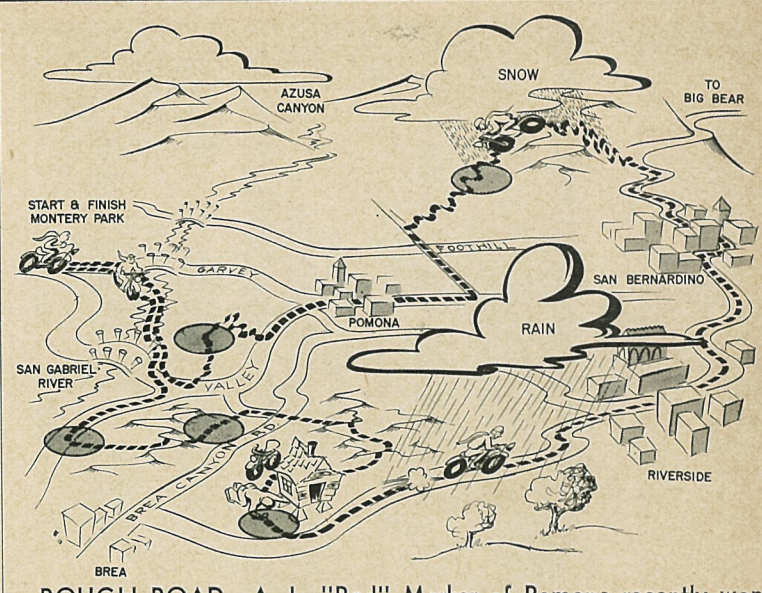
A Convair Fort Worth man—A. D. "Buck" Kernodle—last week turned up with a 1908 issue of a newspaper that carried stories in startling parallel to the news of today.

One item published then concerned congressional action on appropriations for submarines, naming Electric Boat of Groton, Conn., now sister division of Convair's in General Dynamics Corporation! Electric Boat continues to be in the news in 1955, of course, with the Nautilus and the Sea Wolf.

Paralleling current attention on the stock market was this 1908 item:

"Secretary Strauss hastened to give assurance that the president did not intend to inaugurate a general inquiry into the stock exchanges. . . . "

The old newspaper, which Kernodle found among some family papers, was the Valdosta, Ga., Daily Times.



ROUGH ROAD—A. L. "Red" Marker of Pomona recently won a motorcycle "zero run" from some 135 other contestants. It was a rough trip, as this sketch by Lowell Havener, Pomona Dept. 24, indicates.

Cross Country

Cyclist Rides Over Golf Links And Old River Bed to Win Race

Although the name might indicate otherwise, a "zero run" is really something. At least it is to Convair Pomona's A. L. "Red" Marker (Dept. 53) and other motorcycle enthusiasts.

"A zero run is a motorcycle race, usually at night when bad weather is expected, in which none of the contestants knows the route to be followed until the race is actually in progress," Marker said. "Actually there is no specific route.

"At the starting point all riders are given the general geographic location of the first of several check points. How they get there is left up to each individual," he said. "Arriving in the general area of a check point, the rider must then, by using the clues given him, find the exact location. Then he gets a colored card as evidence that he found the point, and he also gets the general location of the next point.

"The person who arrives at the finish line first, with cards from all check points, wins."

Marker's long years of motorcycle experience—he started riding and racing when he was 12—paid off a few weeks ago when he won a zero run in which 136 riders were competing. Incidentally, the runs are annual affairs sanctioned by the American Motorcycle Association.

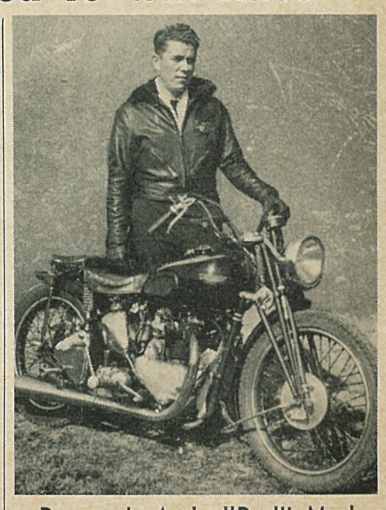
"We left Monterey Park at 7:30 p.m. Six hours and 94 miles later, after traveling down a river bed, through a golf course, over several fire trails, down the side of a mountain (no road), and through mud, rain and snow (in the San Bernardino mountains), I reached the finish line," Marker said.

Riders were still finishing at 5 a.m., and a few didn't finish at all!

"Although I enjoy racing, probably my greatest interest lies in building racing motorcycles—taking a stock machine and increasing horsepower and performance," he said.

Marker prefers single cylinder motorcycles, and at present he owns a 1953 Ariel single competition model.

Cross-country touring also interests Marker. A few years ago he and a companion made a trip across Baja California, from Ensenada to San Felipe.



Pomona's A. L. "Red" Marker and his motorcycle.

"Maps showed a highway across the peninsula, with several fair-sized cities along the way," Marker related. "But the road ended a few miles east of Ensenada and we had to plot a course with a compass! The cities, when we found them, turned out to be a house or two, usually in ruins, and most of the few people we saw had never seen a motorcycle."

Some interesting sidelights were discovered in the desolate back country—a human skeleton on the desert and an abandoned air strip, complete with windsock.

At San Felipe the entire population turned out to greet the two motorcyclists as they came down out of the mountains, apparently from nowhere. That night the city—and Marker and his friend—celebrated the occasion.

SD Management Club Politics to Revive

Convair San Diego Management Club will launch its annual "political fever" period April 20 with nominations of officers for the coming year highlighting its "Social Night" meeting at El Cortez Hotel.

"There'll be entertainment of the best type, too," said R. W. Peters of the sponsoring tooling departments of both plants.

In addition to nominations, the club will present its annual scholarship winners and the regular monthly "mug" and "Mac-Save-it" honors.

★ ★ ★

Management Clubs Plan Joint Meeting

Convair Pomona's Management Club will meet jointly with the six other clubs in the San Gabriel Valley for the first time Friday evening (April 8), President K. Var Saunders announced.

The meeting, sponsored by the Convair factory departments, will be attended by Gordon Parkinson, NAF president.

The meeting will be held at The Palms in Glendora, and no tickets will be available at the door.

"You GOTTA get up . . . You're settin' on the spare tire . . . "

QUARTET—Convair Fort Worth foursome will have roles in forthcoming Easter Pageant at FW. At piano is John Taylor, chorus director who wrote original cantata. Behind him are B. J. Garrett, who plays part of Judas, Murrel Morris, director, and Al Koorey, who has role of Christ.

Easter Pageant to Find Convair Group in Leading Stage Roles

On Sunday morning, April 10, a group of Convair Fort Worth employees will help tell one of the world's best known stories.

The occasion is the Sunrise Easter Pageant at Laurel Land Memorial Park in Fort Worth. The story deals with the life of Christ starting with the triumphal entry on Palm Sunday and ending with the resurrection.

Convair people will be on the producing as well as the performing end of the pageant.

Director of the service is Murrel Morris, wife of Everett Morris of engineering. Chorus director is John Taylor of engineering, who also has written the original Easter Cantata for the service.

Taylor will direct the "Townsmen," a male chorus which includes many Convair employees.

In the role of Christ is Al Koorey of engineering. B. J. Garrett is cast as Judas.

This is the third year for all but Koorey. The rest have been associated with the sunrise service since its beginning in Fort Worth in 1953.

The 45-minute service starts at 4 a.m.

The Easter Cantata was written by Taylor for a male chorus. It's probably one of the few such selections known that was written strictly for men.

"The first year of the pageant," said Taylor, "we used traditional Easter music. But last year I decided to write my own."

Singing in the chorus are: Ken Hunt, Dick Smith, Lige Nelson, Walter Paquette, Hugh Lyon, Gene St. John from Dept. 6-4; Bob Rountree, Dept. 6-5; Paul Gillespie, Dept. 6-2; and Moye Taylor, Dept. 4.

Taylor invited any Convair employee interested in joining the group to contact him at ext. 2257 or at SU-9868.

The Easter Service is city-wide and non-denominational.

Improvements Give Model 340 Quietest Cabin of Any Airliner

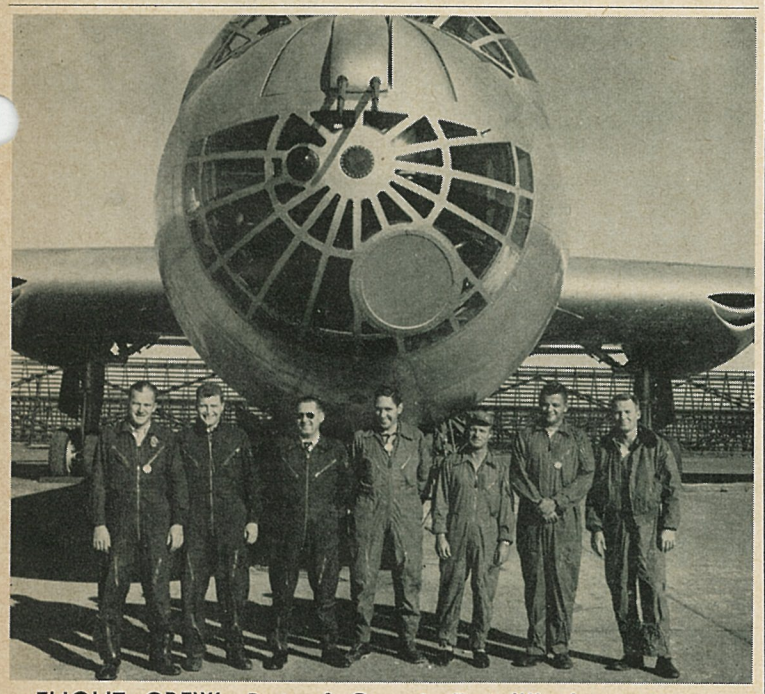
Improvements which give the model 340 the "quietest passenger cabin of any modern American transport" were announced last month by Convair.

Result of a long study by sound experts, the changes involve a new type of exhaust silencer (with a single rectangular exhaust opening at the aft end of each nacelle), special inner window assemblies and additional sound proofing material in certain areas.

The changes were installed and proved out on a test airplane at San Diego, J. G. Zevely, Convair director of sales and contracts, said. They are standard equipment on new model 340s and immediate certification is being sought from CAA.

The improvements "represent an advance in the state of the art not previously available to the industry," Zevely commented.

Speed and gross weight in the model 340 also will be increased, Zevely continued. The speed changes are being proved out in a three-month flight program under way at San Diego.



FLIGHT CREW—Part of Convair Fort Worth contingent at Holloman Air Force Base in New Mexico is shown here. They fly B-36 on classified project involving Bell Aircraft Corp. and Convair. Left to right: W. A. Miller, J. M. Kechele, H. A. Dow, R. J. Reimer, all of Bell; and J. L. Baldridge, E. J. Nadolski and A. L. Hall, of Convair FW.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

XB-36 tried out with new track-type landing gear at Fort Worth.

* * *

Hiring starts at San Diego in anticipation of shifting part of B-36 modernization work from Fort Worth to San Diego.

* * *

Mockup gas turbine engine en route from Allison to San Diego for use in adapting model 240 to Turboliner.

* * *

American Airlines starts operating Convair-Liners west of El Paso, Tex. Previously, service to Los Angeles and San Diego had been by DC-6 and DC-4.

* * *

Gainesville Community Circus signed to perform for Convair Fort Worth audience.

50 YEARS AGO—When this picture was taken, Convair SD's Art Thursam was beginning a half century in industry at North Tonawanda, N.Y. He is in the front row, fifth from left.

THE PRESENT—Times have changed a lot since Art Thursam started a career in manufacturing, as these two pictures prove far more effectively than any words. Photo directly above, taken last week, shows Thursam (center) with his Dept. 603 group at SD.

FW Cafeteria Man Finds 'Chiseling' A Cooling Pastime For Summer

A. H. Bowman of the Convair Fort Worth cafeteria is a "chiseler"—and he doesn't care who knows it.

But it's not as bad as it sounds. Bowman's chiseling is a fine art. An art known as ice carving.

Bowman chisels and carves delicate figures and objects from 300-pound blocks of ice. They're used for unusual centerpieces for banquets or weddings.

He first got interested in his unusual hobby about six years ago at the St. Catherine Hotel on Catalina Island. He worked with a man there who excelled in the art. So Bowman decided to learn all he could.

"I worked many hours at it," said Bowman. "It bothered me so much that at times I'd even dream about it!"

But his anxious moments have paid off, for now Bowman's work is in demand in the Fort Worth-Dallas area.

He does his work in a refrigerated area—with the temperature about 18 degrees. He wears a heavy coat and gloves to start out.

"The gloves soon get wet," said Bowman. "And off they come."

He works with a chipper, ice pick and chisel. In several hours an ungainly block of ice becomes a graceful swan—one of his most popular figures.

Bowman also carves baskets, fish, shrimp boats or a bride and groom.

There are tricks for most of them.

The swans are usually placed on a piece of blue glass. When the swan begins to melt under room temperatures, the vibration from the floor will make the swan look as though it's floating on water (the blue glass).

Or with a shrimp boat, dry ice is used in the smoke stack. When it mixes with water steam puffs from the stack!

"It's a good hobby," he said, "and I haven't found another that will keep me cooler in the summer time!"

Pomona Club Joins To Help Scholars

Convair Pomona and Fairbanks-Morse Management Clubs will award four high school seniors scholarships this month, John B. Forbes, co-chairman of the joint scholarship committee, announced.

The two clubs are again joining forces this year in order to make the scholarships more attractive.

High school officials from Pomona, Pomona-Catholic, Covina, Bonita, Claremont, Chaffey and Chino are now selecting a specified number of seniors from the graduating classes to take part in the finals, to be held April 22. The selection is made on a basis of scholastic record and an essay, written by the students.

POMONA MAN DIES

Funeral service for Arthur W. Roddy, Dept. 4 at Convair Pomona, was held March 24 in Pomona. He had been with Convair since Nov., 1952. Survivors include his wife, Mrs. Inez Roddy.

A Contrast

Half Century In Industry

In 1905 Art Thursam decided his earnings from a paper route ($1 a week) and driving a horse-drawn hearse (35 cents a funeral) weren't enough to properly help his father support a large family.

So he applied for and got a job as a machinist, despite the fact he was only 13 years old. Today, he can count more than half a century in machine and tooling work, the past 25 years with Convair and its parent company. He is now an assistant foreman in Dept. 603 at Convair San Diego.

"That first job paid $3 a week for 60 hours' work," Thursam said. "I think my size (87 pounds) helped me get a job since they could shove me down in tight places to take measurements on large pump units."

He was assigned to operate a small lathe and as his skill with machines developed, his responsibilities increased until by the time he was 17 he could operate any machine in the large steam pump plant. His work carried him to companies making pumps, motor cars, industrial chains and finally airplanes when he joined Consolidated at Buffalo in 1931.

He moved to San Diego with the first Consolidated employees and helped plan the arrangement of the first machine shop at Plant 1. He also helped map plans for the Plant 2 machine shop.

His personal plans call for retirement next year after he passes his sixty-fifth birthday.

"I'm going to do a whole lot of living and spend some time enjoying my favorite hobby—music," Thursam said.

ENGINEER ELECTED

J. T. Spokowski, project industrial engineer at Convair Fort Worth, has been elected a second vice president of the South Fort Worth Civic League.

ICE CARVING—A. H. Bowman of Convair FW, who is sculptor in ice, nears end of reducing 300 pound block of ice to a graceful swan. It took him three hours.

LINING UP—In response to call for donors to Convair credit at San Diego Blood Bank, Dept. 6 volunteers await their turn. Photo was taken last month during bloodmobile visit. Another visit is scheduled for April 28 at which donors from Depts. 22 and 4 will be accommodated, as well as the more than 100 from Depts. 31 and 6 who could not be taken care of last month.

Two Shows Open This Month For Convair SD Rose Growers

Convair rose growers at San Diego will have two opportunities this month to enter their choice blooms in competition, E. L. Zimmerman, CRA commissioner, announced.

The spring rose show presented annually by the Convair Garden Club will be held in the Floral Bldg., Balboa Park, April 24, and the San Diego Rose Society has extended an invitation to Convair employees to enter their show April 16 and 17.

The Rose Society will accept entries Friday evening, April 15 and until 10 a.m., April 16, in the Recital Hall, Balboa Park.

Entry lists for the Convair rose show are available now at employee service desks at both plants. "We offer such a wide variety of classes that most amateur gardeners should find one to suit their needs," Zimmerman said.

Mrs. Luke Morris will demonstrate the fundamentals of making corsages at the regular Convair Garden Club meeting Wednesday evening, April 13. The meeting, which is open to all Convair employees and their families, will be held at 7:30 p.m., in the Floral Bldg.

Rockhounds Sponsor SD Minerals Club

A new "Mineral Club," under sponsorship of the CRA Rockhounds at San Diego, will hold its first meeting at 8 p.m. tomorrow (April 7) at the Conference Building, Balboa Park.

"Barbara Biewener, noted local mineralogist, will present a 45-minute talk and slide show on natural resources of San Diego County," said Rockhound Commissioner Jack Benedict.

The group is also planning a series of mineral classes to start in early May. Further details will be available later this month.

Systems, Procedures Chapter Will Meet

Viola Stroup of the procedures and methods branch, Naval Electronics Laboratory, will discuss "Activities of Procedures Group in the Navy" at the April 12 meeting of the San Diego Chapter, Systems and Procedures Association.

The meeting is slated for U.S. Grant Hotel starting at 6:30 p.m., according to D. A. Woellner, chapter president and chief of systems and procedures at Convair SD.

'Ladies' Night' Hears New Mixed Quartet

Convair SD's Choral Club now has a mixed quartet which has been entertaining various gatherings. Members are Winnie Rae Ziegler, whose husband is in Dept. 6; Helen Allison, Dept. 235; Phil Ayer, Dept. 22, and Phil Neiswender, Dept. 8. They sang for the Exchange Club on St. Patrick's Day and yesterday were on the program for the CRA Ladies' Night at Balboa Park.

EXEC. ASSIGNMENT

W. B. Harwell, manager of flight at San Diego, last month was assigned to field operations for a two-month period as part of the executive development program. Since March 21 he has been in charge of T-29 and 340 activities, reporting to S. J. Barinka, and this week is being shifted to the seaplane ramp.

Fort Worth, Pomona Plan Fem Activities

Following the example set by CRA at San Diego, both Pomona and Fort Worth CRAs are planning Fashion Shows and expanded recreation activities tailored for women employees. San Diego's program began last fall with monthly lectures and a highly successful fashion show was added March 1.

Rivets

Maybe this isn't a world's record, but it should be.

When **C. B. Swope** of SD's photographic laboratory received his 15-year pin recently the fact came out that in all that time he has never missed a single day of work! Not one. And he has been late just once, in January, 1954, when his auto double-crossed him.

* * *

Whit Hindes of Dept. 70, who in his leisure time is district Boy Scout commissioner for Grossmont (largest in the San Diego council) should have been twins. The council has picked him to attend the World Jamboree in Ontario, Canada in August, and also to attend the Woodbadge Course, just prior to the Jamboree. One vacation won't stretch that long!

* * *

Friends of **Steven Allen** and **Harold Dicksten,** both of Dept. 6 at SD, helped them celebrate a novel surprise birthday party at the Allen household recently.

Guests arrived in various costumes bearing cameras. The evening was spent posing with life-size cutouts made by Mrs. Allen including a fat lady in a tub and a weight lifter! One cutout was of the Convair XFY-1 VTO fighter. By inserting their heads through an opening, the guests appeared to be "flying" the new Navy airplane.

CON-TRIB GIFT—Carol Wylie, 19, a polio victim two years ago, who recovered, tries out new Hubbard tank at Scripps Hospital, La Jolla, a gift from SD Employees' Con-Trib-Club. Helping her is Alice McCleary, physical therapist, while A. D. Parsons, Con-Trib committee member, stands by. Club also gave a similar tank to Mercy Hospital.

CRA Activities at SD

(CRA stands for Convair Recreation Association, an organization to which all Convair employees belong. Financed by proceeds from candy and soft drink machines in the plant, the association is run by a Council of employees who are commissioners of various activities. The association is run by employees for the benefit and recreation of employees. All Convair people should feel free to join any of the activities.)

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays each month, 7 to 9:30 p.m. Field and broad head shoot Sunday, April 24, 9:30 a.m., Gold Gulch. Instruction Saturdays 10 to 12 noon, Laurel Street range. Equipment available. For additional information contact Bing at ext. 513, or evenings at CY 6-1863.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Regular meetings first and third Fridays, 8 p.m., Conference Bldg., Balboa Park.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays, 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 454 or 411, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meeting Wednesday, April 13, 7:30 p.m., San Diego Floral Bldg., Balboa Park. Mrs. Luke Morris will demonstrate corsage making. Annual spring rose show April 24.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1. Sweepstakes Agua Caliente Country Club, April 23-24.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 538 or 501, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month at Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates each Tuesday at 7 p.m., Rio Theater, 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (April 7) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate, 12 noon; advanced 1 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658. Regular meeting and pot luck dinner, 6:30 p.m., Saturday, April 9.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G, 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at Employee Service, both plants.

SKIN DIVING—Bob Hutson, commissioner, ext. 578, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners. Teams now being organized.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Mort Rosenbaum, president, ext. 1381, Plant 1. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—Industrial Recreation swim night for Convair employees and their families, Saturday, April 9, Mission Beach plunge. Tickets available at Employee Service, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Interested players requested to meet on Courts 9 and 10 at 12 noon, Saturday, April 16, for short meeting and practice session.

TROPICAL FISH—Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Contact Pete Beyrer, ext. 1245, Plant 1, for further information.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1. Girls' team now being organized. Register with Martha Woodberry, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Cooking school to be presented on "Ladies' Night" May 3, 8 p.m., House of Hospitality, Balboa Park.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, April 8: BEDTIME FOR BONZO, Ronald Regan, Diana Lynn and Bonzo.

Friday, April 15: BRONCO BUSTER (color), John Lund, Joyce Holden.

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Bargain rate movies each Tuesday evening at Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children 12 years and under, 10c.

Tuesday, April 12: LONG, LONG TRAILER, Lucille Ball, Desi Arnaz. VEILS OF BAGDAD, Victure Mature, Mari Blanchard.

Tuesday, April 19: GUNGA DIN, Cary Grant, Douglas Fairbanks, Jr. LOST PATROL, Victor McLaglen, Boris Karloff.

Free Cooking School to Be Next Women's Event at Convair SD

A free cooking school will be offered Convair women at San Diego on CRA "Ladies' Night," May 3, Martha Woodberry, commissioner of women's activities, announced this week.

The school, to be presented by the San Diego Gas and Electric Co., will feature "Quick Meals." The program will start promptly at 8 p.m., in the auditorium of the House of Hospitality, Balboa Park.

"This is another 'first' in our continuing effort to plan interesting and varied programs for Convair women," Commissioner Woodberry said.

All Convair women, wives of Convair employees and their friends are invited. Tickets will be available later this month through employee service at both plants.

Prizes Await Best Anglers

Cash awards totaling $50 monthly will go to lucky Convair SD anglers beginning this month and running through October in the annual CRA Fishing Club contest.

Convair employees or members of their immediate family are eligible to enter except licensed commercial or sport fishing boat operators and paid crew members of such craft.

Entry blanks are available at employee service offices and must be turned in before the fifth day of the following month to be eligible for monthly prizes. Weigh-in slips must accompany each entry listing the date and exact weight of the fish plus the name and address of the business firm weighing the fish and signature of one witness.

Six prizes will be awarded each month on a percentage basis against the record catch for that specie. In case of ties, the prize money will be divided according to a pre-arranged schedule.

Complete information on the contest is available at employee service offices at both plants along with recognized current record catches in each specie.

Convair Archers to Hold All-Day Shoot

Convair archers at San Diego will hold a special all-day shoot at Gold Gulch, Balboa Park, begining at 9:30 a.m. April 24, Commissioner Harry Bing reported this week.

"Our usual shoot is on the second Sunday, which is Easter this year," Bing said. "Therefore we are postponing it until April 24 and adding another event."

The morning shoot will be conducted on a handicap basis with regulation field targets. Following an early lunch period (the CRA chuck wagon will be on hand to serve hamburgers), the bowmen will hold a 14-target broadhead event.

Targets for the afternoon shoot will resemble various game animals and winners will be determined on a skill basis. Prizes will be awarded top marksmen in each session.

Engineer Chosen For Africa Tour

John E. Liebe, Convair SD engineer and eighth ranking badminton player in the U. S., has been invited to tour the Union of South Africa during July and August as part of a U. S. badminton exhibition team.

Other members will include Judy Devlin and Margaret Varner, top ranking women's singles and doubles players, and Bill Berry of San Diego, currently ranked fifth in the nation.

Sports

WHO'LL FILL 'EM?—Beginning April 16 and 17 and concluding the next weekend, Convair SD will hold its annual bowling championships. Entries close Friday of this week. Among the 300 expected to enter, there will be a number of champions crowned, all-events, singles, doubles, etc. Usually considered the king of them all is the all-events winner. Who will fill those shoes this year?

Plant Keg Championship Starts Next Week at SD

New laurels are on tap for top Convair San Diego keglers this month when the 14th annual CRA Plant Championship is rolled at Pacific Recreation April 16-17 and April 23-24.

Deadline for entering the meet is Friday (April 8). Entries may be filed by contacting CRA Commissioners Jim Hayman, ext. 1670, Plant 1, or Mike Brooks, ext. 583, Plant 2, or employee service office at Plant 1, ext. 1245.

Awards will be made to scratch and handicap leaders in singles, doubles, all events, and team competition. Women will vie for scratch and handicap prizes for game and series honors. Women will also take part in mixed team events.

"We are looking for some outstanding scores this season among our younger bowlers and some old timers as well," said Hayman.

Convair employees are eligible to enter if they are affiliated with either ABC or WIBC, Brooks added.

Swimmers Qualify In Aqua-Lung Class

First class to successfully complete an aqua-lung course offered by the Convair SD Delta Divers made a qualifying ocean dive late last month.

Graduates included Bob Casebolt, Tom Simpson, Bug Waggoner and Chuck Nicklin. Slated to finish the complete course soon are Charles Lawr, Joyce Simon and Shelia Cagel. Students were required to pass three swimming pool lessons and complete the ocean check-out.

Winners in the club's March 27 contest were Bob McClindon and Bob Hutson.

Tom Little Places 10 Shots in Bullseye

Tom Little, Convair SD guard, proved himself another "Dan'l Boone" recently when he placed 10 shots in a three-inch circle from 75 feet away in CRA Pistol Club competition.

His perfect score of 274 was made on a time firing string in the .45 short national course event. Joe Wiliamson and Jake Nerlinger placed second and third.

Bill Dittmann copped the .22 Police course with a score of 288. Roy Groth and Williamson followed in that order.

Convair pistol team for April, May and June includes Jake Nerlinger, Joe Williamson, George Clayton, Jim Halfacre and Jim Baxter. The team is composed of top shooters for the past three months.

1954 AWARDS—Convair SD fishermen came in for recognition recently at Southwest Anglers Association dinner when P. G. Osborn, left, Plant 2 factory manager, and Howard Davidson, husband of Dept. 250's Viola Davidson, got cups for catches. Osborn's was a 10-pound, four ounce bull bass; Davidson's a two-pound crappie.

Convair SD Eagles County Champions

Convair Eagles pulled a remarkable come back March 29 to score 30 points in the last period to down La Mesa, 52-49, and win the San Diego County basketball championship.

Trailing 25-9 at the half and 35-22 at the end of the third period, the Eagles surged forward to cop the game. The CRA five also won the San Diego City title and boasts a season total of 24 wins and two losses in league play.

First Call for Players Sounded As Softball Season Underway

First calls for a new softball season at Convair SD went out this week with the initial workout for Industrial league players slated for Friday (April 8) and organizational meeting for plant loop teams scheduled for tomorrow (April 7).

Players interested in trying out for the CRA entry in outside competition are invited to report at 7 p.m. Friday at Presidio Park Playground. Positions on the team will depend on the showing of individuals at early season workouts.

Meanwhile, managers or prospective managers of plant league teams are asked to be on hand at 5 p.m. Thursday at CRA Clubhouse for discussion of rules and the formation of two leagues this year.

"We expect to field 20 teams each representing a different department or group," said Tony Berardini, CRA softball commissioner. "It is important each prospective team have a representative at this meeting."

Collier Followed by Chet Dutton as CRA Net Commissioner

A new CRA tennis commissioner has taken over the reins of CRA net activities at Convair San Diego. He is C. J. (Chet) Dutton of Dept. 11.

Dutton replaces Dick Collier who resigned recently.

Chet Dutton

A veteran tennis campaigner, Dutton took up tennis shortly after moving to California from his native St. Joseph, Mo., some years ago. He and Collier have been reigning doubles tennis champs of CRA for a number of years and are defending San Diego industrial doubles champions at present.

Dutton announced this week that he will continue to stage occasional sweepstakes events for CRA tennis players.

"We are going to turn more attention to the novice and beginners in the future by sticking to a strict handicap system," he said.

Moonlight Ride on Horse Club Program

Spring weather has brought about a renewed schedule for Convair SD Riding Club members who have a number of events set for the next two weeks.

Included are a moonlight ride at 7:30 p.m. April 2, regular monthly meeting and "pot luck" supper at 6:30 p.m. April 9, participation in Easter sunrise services at Frontier Riders Ring in Lakeside, and a barbecue and trail ride at 9 a.m. April 17. All events scheduled for Palomar Stables unless otherwise noted.

Lubo Two Under Par For March Sweeps

Bruce Lubo scored a two under par 70 to take top honors in the best nine sweepstakes golf event staged by CRA at La Jolla Country Club March 26-27.

Lubo's round was good for low gross honors in the 0-12 handicap group. Dan Ramirez scored a 66 for low net honors. Ralph Long and Al Reiter finished in that order behind Ramirez.

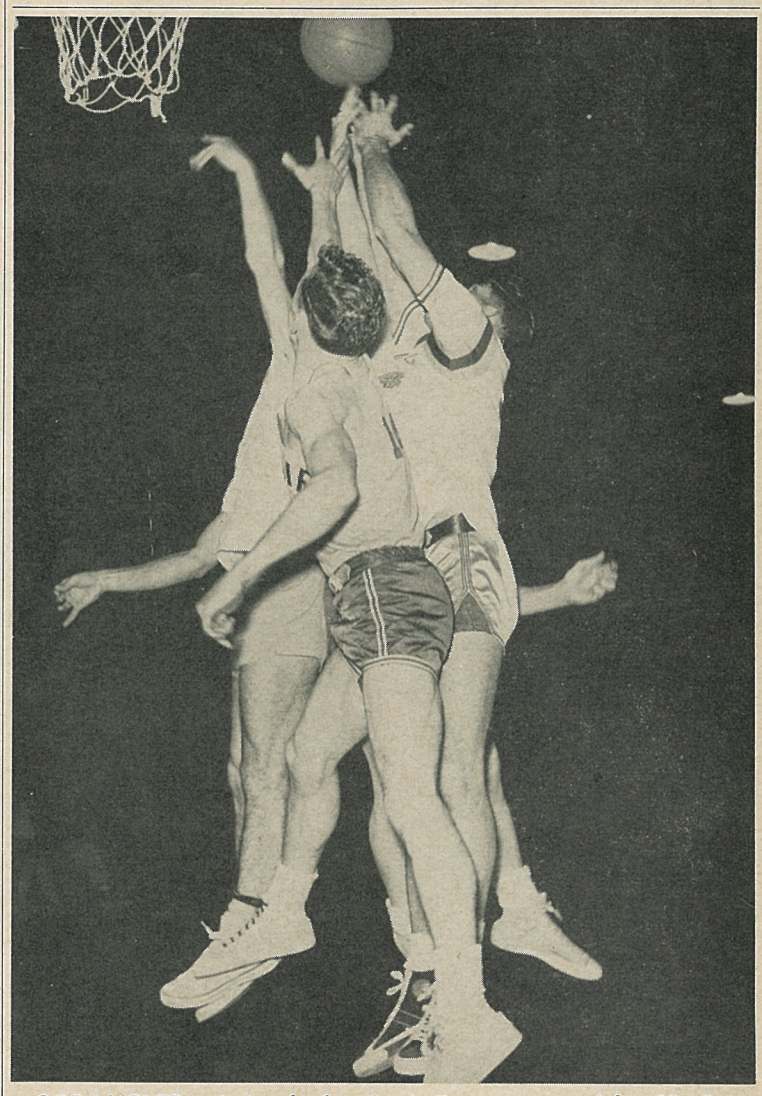
Tom Gonzalez's 74 won low gross honors in the 13-18 handicap group with Jim Lothringer copping low net prizes followed by Cal Bates and Vic Barger.

Ralph Way led the 19-24 handicap group with a low gross 80. Frank Marcell won low net with a 64.

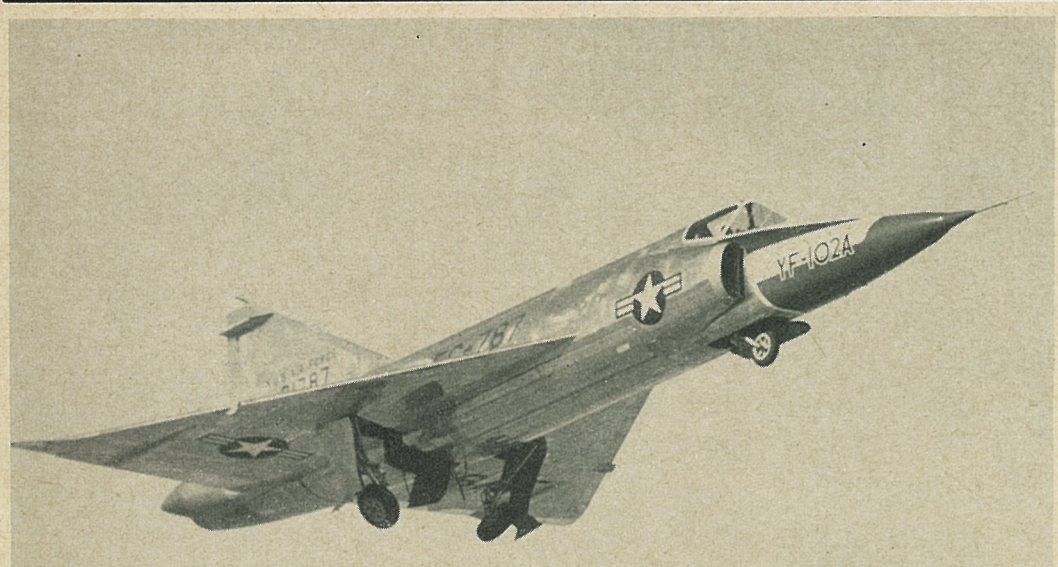
Martha Jones and Tony Zullo tied for low gross in the 25 and up group with 94s, while Robert Shorey, Lynn Kline and Carl Bieberdorff tied for low net with 68s.

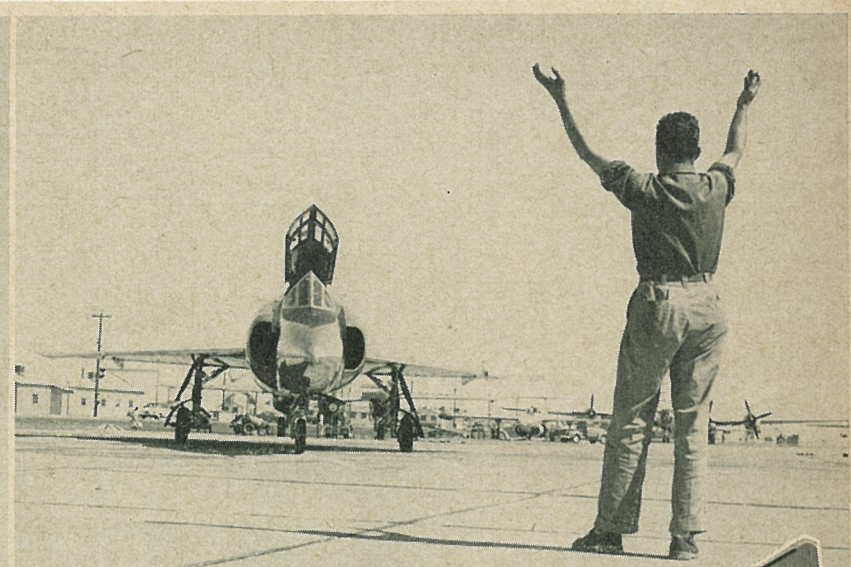
Business Meeting on Net Courts Called

Tennis players at Convair SD are invited to attend a practice session and short business meeting on courts 9 and 10 at Morley Field beginning at noon April 16. "We would like to get group opinions on future tennis activities," said Chet Dutton, newly appointed CRA tennis commissioner.



SCRAMBLED—A battle for the ball was snapped by SD Cameraman Clark Mitchell during annual Pomona-San Diego interdivision basketball contest. San Diego won the third time but Pomona was not without honors. The Pomona plant league team nudged the SD plant champs, in another tilt.





FAR AFIELD—Convair F-102s that have left the "nest" have gone far afield, to Edwards AFB and Palmdale on the Mojave Desert, to Holloman AFB in New Mexico and even to Wright Patterson AFB at Dayton, Ohio. Photo at lower right shows Convair crowd that care for ship at Dayton, left to right, D. H. Fleming, J. H. Johnson, S. J. Aycock, W. I. Hanks, C. B. Wells, E. A. Kohr, G. E. Shields, J. V. Neal, G. Monson, J. P. Stafford, H. J. Winne, R. E. Parker, C. H. Clements, A. L. Sands, E. G. Brekke, W. F. Webster, J. F. Wilson, R. L. Hart. All are from "Convair Colony" at Edwards. They have been at Dayton since early this year.

'Penthouse' With Windows Completed For Testing Systems of B-58 at FW

Three new windows and a "penthouse" at Convair Fort Worth will help speed the work of engineering groups in the development and study of various systems for the B-58.

Directly concerned with the new additions is the aerophysics group of engineering. Their job is experimental study and testing of systems for the supersonic bomber.

"With the new tower we'll be able to test radar with no interference problems," said S. A. Mayfield, aerophysics laboratory group engineer.

The windows have a special purpose. Radar waves can be sent and received through glass—but not through a steel building. That makes the windows a necessity.

Both glass and opaque windows were used, the latter designed by A. C. Porter and D. C. Novelli, of engineering. It was built in Dept. 82 of glass fabric impregnated with resin. Twenty feet long and six feet high, the window is one of the largest of its kind in the country.

Equipment which will be set up in the tower will be used to test such B-58 systems as bombing, navigation, autopilot, defense, radar and antenna.

"We bring the actual systems into the lab and put them through rigorous testing—before they're installed on the plane," said Mayfield.

"That way we can transform a theory into a working system," Mayfield added.

Several different types of testing are done in the lab. "Breadboard" constructions — actual working models of various systems—determine performance and accuracy of a system even before it's built. And experimental research goes on constantly.

"Prototype testing is probably one of our most important tasks," said Mayfield. "This helps correct technical problems before the plane goes into production."

And finally there will be systems testing after the plane has been built. All systems will be carefully monitored in flight. If any failures develop, they can be quickly corrected.

Downstairs on the first floor is another aerophysics laboratory. This houses the IBM 701 electronic computer and the analog computer. H. S. Wolanski is group engineer in charge.

Here an "electronic brain" can work a highly complicated engineering problem in five minutes that would take a single engineer eight hours.

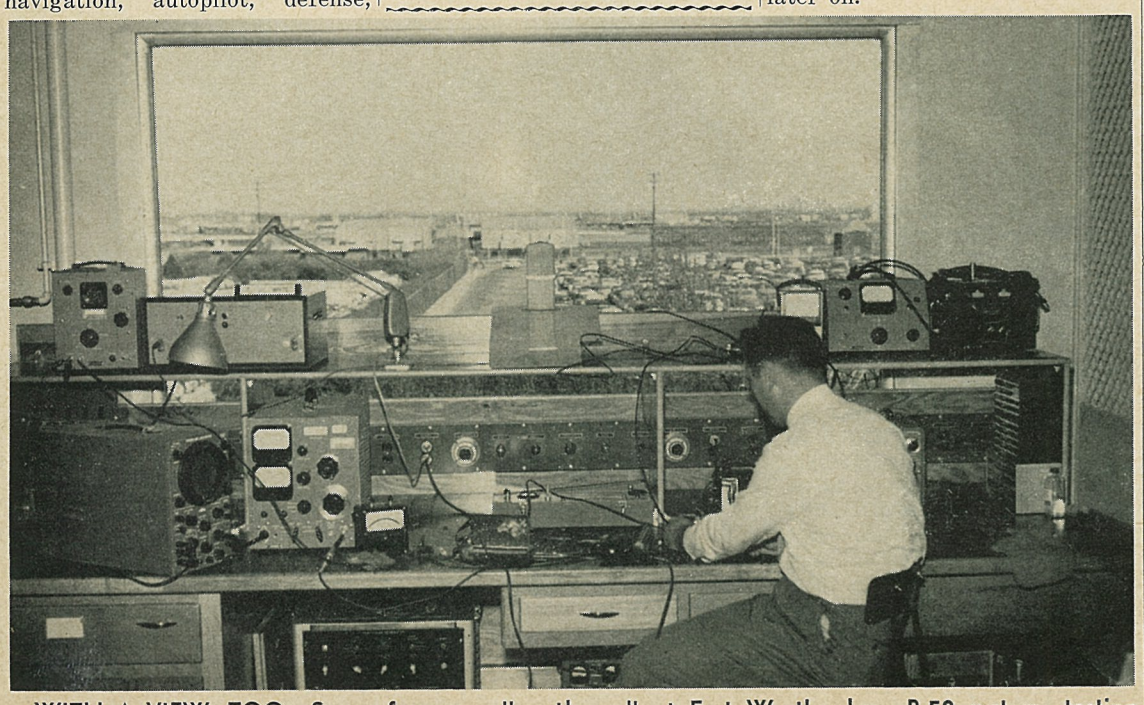
"Systems testing is one of our biggest jobs," said J. E. Goode, chief of aerophysics. "It's up to aerophysics to make sure the systems in the B-58 are letter perfect.

"By testing in our laboratories, we can save valuable flight time later on."

Alternatives Given On Bond Reporting

Convair taxpayers working to meet the April 15 deadline for filing 1954 federal income tax returns were reminded this week of two methods of declaring the interest earned by their U. S. Savings Bonds (Series E).

According to S. J. Moulin, savings bonds representative for the U. S. Treasury Department at San Diego, holders may defer reporting until the bonds are cashed or have reached their maturity; or, if they prefer, they may report the amounts each year as they accrue.



WITH A VIEW, TOO—Scene from new "penthouse" at Fort Worth where B-58 systems testing will take place shows R. D. Guyton of Dept. 6-1 at work.

Sketch map shows location of Minot, N.D., where new base will accommodate Convair F-102s. Other fighters will base at Glasgow and Grand Forks.

New North Dakota Base Chosen For F-102s When They go on Active Duty

A new fighter base for the Air Force will be constructed at Minot, North Dakota, from which Convair F-102s will operate when they go into active service.

The disclosure, first public indication of where the Convair delta wing, supersonic interceptors will be stationed, was made last month by Brig. Gen. James O. Guthrie, commander of the 29th Air Division (Defense) command with headquarters at Great Falls Air Force Base, Montana.

The general made his announcement during community briefings at Minot as well as in Glasgow, Mont., and Grand Forks, N. D. All three will have new defense interceptor bases within two years, he indicated. The F-102s will be assigned to Minot, while Glasgow and Grand Forks will be bases for F-89D Scorpions.

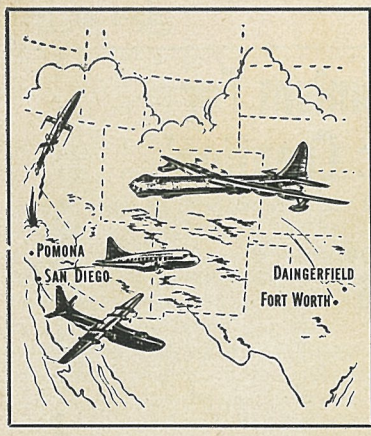
Currently, F-102s are being tested at several points after leaving San Diego. Flight test has been conducted for more than a year at Edwards Air Force Base on the Mojave desert. More recently, armament testing on the airplane has been centered at Holloman Air Force Base in New Mexico (**Convairiety**, Jan. 26, 1955) while some field operations duties have been performed at Palmdale, some 20 miles from Edwards. Still another destination for F-102s after leaving San Diego is Hughes Aircraft Co. for installation of various equipment and testing.

Convair "population" at Edwards AFB has been comparatively constant since the flight operation there was established, ranging around 300, while Convair people at Palmdale have fluctuated in number, depending upon the amount of field operations work required at the moment. Combined Convair population of the two points currently is around 400 while the Convair colony at Holloman is about 110, divided between 70 assigned to the F-102 project and the balance on a B-36 test program.

Incidentally, the Convair population at Palmdale-Edwards is expected to show a gradual growth this summer and fall, B. F. Coggan, SD manager, indicated last week, reaching a total of about 800 by the end of the year.

As has been previously announced, new quarters are in prospect for Convair activities at both Palmdale and Edwards. The projects are to cost $2,500,000 each.

"I just made him my silent partner."



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Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

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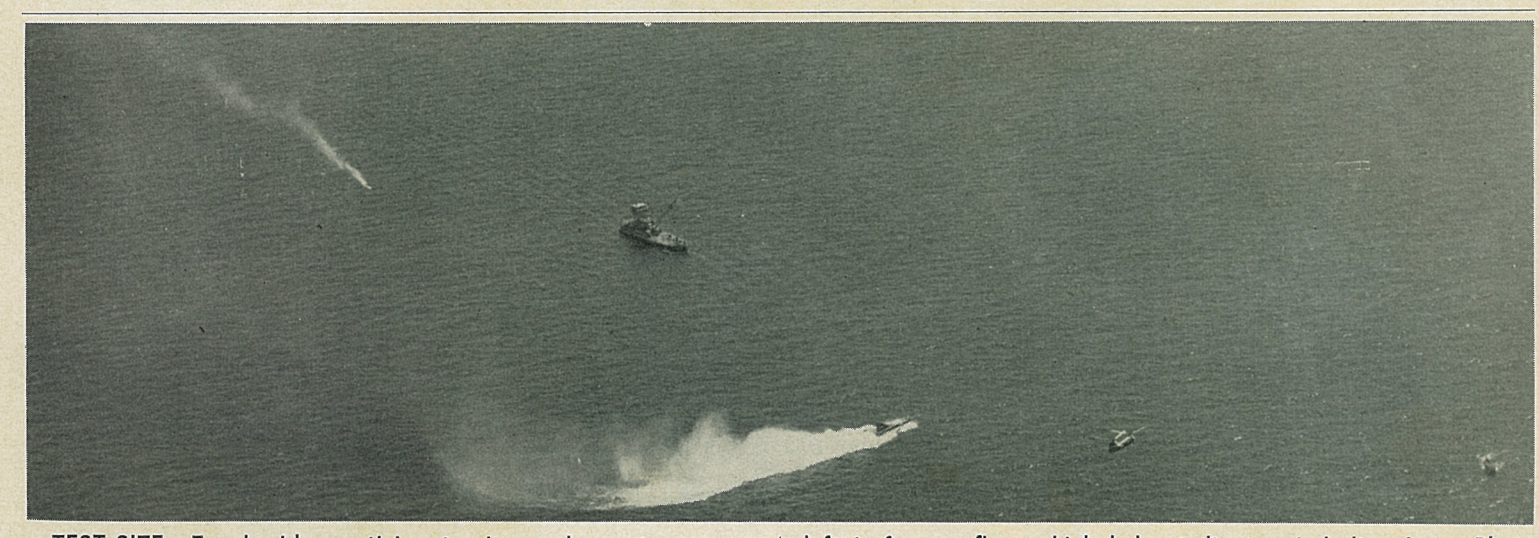
San Diego

EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.

'Five For Fifteen' Slogan For Bonds Drive



TEST SITE—Few besides participants witnessed recent open sea tests of Sea-Darts off San Diego coast. Sea-Dart shown at center. Navy helicopter and surface craft are nearby. White smoke at left is from a flare which helps indicate wind directions. Photo was taken from Navy AD-5, serving as chase plane. For story and more pictures, see page 8.

$100 Type Emphasized As Best Buy

Convair employees' annual effort to boost the purchase of U. S. Savings Bonds will open Monday, May 9, and end May 13.

"Five for 15" again will be the slogan.

"That's a briefed-up reminder that only $5 a week for 15 weeks will get you a $100 bond," B. F. Coggan, San Diego manager, and Charles F. Horne, Pomona manager, explained.

As was the case last year, there are three aims:

To encourage more employees to buy bonds through pay-roll deductions;

To encourage more employees to hold onto bonds they already own; and—

To encourage more employees to buy $100 bonds instead of smaller denominations.

"Convair—totaling up the results in all four plants—in 1954 made the best record in boosting buying of $100 bonds of any concern in the country, according to [illegible] at San Diego Day installed

"We know that Convair employees will want to make a good showing again."

Convair's record-breaking success last year is being used by the treasury department to encourage other firms throughout the nation to do likewise this year. Convair's "Five for 15" slogan and campaign plans are described in literature going out to other companies for their 1955 drives.

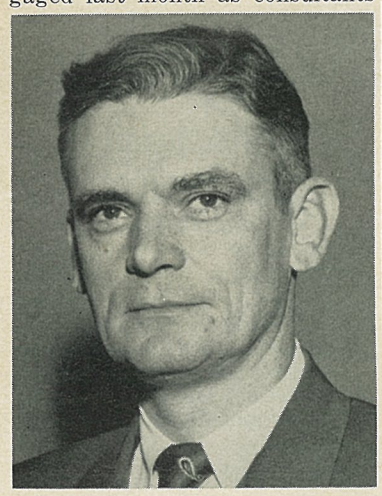
The treasury department's commendation came to Gen. Joseph T.

(Continued on Page 2)

Physicist Named Research Head

Dr. Charles L. Critchfield, a physicist noted for his work in nuclear reactions and forces, nuclear theory and stellar energy, has been appointed director of scientific research for Convair Division of General Dynamics Corporation, John Jay Hopkins, General Dynamics chairman and president announced last week.

Dr. Critchfield, now professor of physics at the University of Minnesota, was one of 14 of the nation's leading scientists engaged last month as consultants



Dr. Charles L. Critchfield, newly named Convair director of research.

to Joseph T. McNarney, president of Convair. Critchfield will join Convair at the close of the school year at Minnesota.

A mathematical physicist, Dr. Critchfield was a group leader at the Los Alamos Scientific Laboratory in New Mexico from 1943 to 1946 and in 1946-47 was principal

(Continued on Page 2)

Convair Volunteers To Aid in Telethon

Convair and Convair SD volunteers will play a major role in a telethon for the Multiple Sclerosis Society originating from the Mission Beach Ballroom from 11 p.m. Saturday (April 23) until 4 p.m. Sunday.

For the second straight year, Convair will supply telephones to receive pledges and set them up in an operating area in Building 32. L. W. Fitzgerald of SD plant engineering is telephone chairman.

Two hundred Convair girls are needed to man the telephone an-

(Continued on Page 2)

Hopkins Optimistic Of 'Atomic Creation'

John Jay Hopkins, chairman and president of General Dynamics Corporation, writing in the company's 1954 annual report this month, gave "six compelling reasons to support the expectation that massive atomic creation rather than massive atomic destruction will prevail." He listed them as:

"1. The reality of nuclear propulsion, the symbol of man's creative ability, exemplified in the world's first atomic submarine.

"2. Current research and development which, I am confident, will result in the atomic airplane.

"3. Advances in nuclear research, in rocket technology, in the irradiation of plastics, in solid-state physics and in electronics, which may bring space travel within the next fifty years.

"4. The application of atomic energy in fields of industrial power.

"5. The striking consequences for human welfare of atomic energy and its by-products, radioisotopes, in the fields of medicine and biology.

"6. The export of atomic equipment and technique as instruments of foreign policy—to develop the economies of power-short nations of the world."

Convair had a large share in the annual report, including color photos of the F-102 and the XFY-1, the Sea-Dart and the Terrier missile, the R3Y and various versions of the model 340.

Hopkins told share owners that developments during 1954 "confirmed the genius of the delta-wing concept of aerodynamic design pioneered by Convair Division." He reviewed the progress of the atomic-powered submarine Nautilus during 1954 and

(Continued on Page 2)

150 Attend Parley On Convair-Liners

Over 150 took part in the annual engineering and maintenance conference on Convair-Liner 240s and 340s held by the Air Transport Association April 12 and 13 at San Diego with Convair acting as host.

The two-day meeting was staged at the El Cortez Hotel with W. H. Pitt, manager of line service for United Air Lines, conference chairman.

Discussions included speed increase, weather mapping radar, anti-icing performance and structural review.

Council Formed to Take Lead in CRA Women's Activity

An organization to plan and direct recreational activities for Convair women was formalized last week with election of officers to head the CRA Women's Council at San Diego.

Elected to lead the council as president for the next year is Mrs. Eleanor Pearson, wife of Paul Pearson, general foreman of Dept. 60. Aiding her will be Mrs. Floy Minter, vice-president, wife of Fred Minter, budget supervisor, Dept. 9-2, and Mrs. Glenys Sears, secretary, wife of Keith Sears, Dept. 3-2.

The women's council, a counterpart of the CRA Employees' Council, and adjunct to it, has been functioning in an unofficial capacity for the past five months under guidance of Martha Woodberry and Grayce Fath, commis-

(Continued on Page 2)

★ ★ ★

Cooking School Next Special Event on Women's Calendar

A free cooking school to teach Convair women little tricks in preparing 'Quick Meals" will be presented at the monthly "Ladies' Night," May 3, in the House of Hospitality, Balboa Park, San Diego.

The school, staged through courtesy of the San Diego Gas and Electric Co., will be conducted by their home economists Mrs. Bonnie Hardy and Mrs. Mary Burton.

Tickets are available through employee service at both Plants 1 and 2, and will be limited to the seating capacity of the House of Hospitality auditorium.

This is the second special event presented by the CRA Women's Council, the first being the highly successful style show on March 1. Mrs. Jean Davies, wife of E. H. Davies, Dept. 6, heads the committee handling arrangements.

(Continued on Page 2)

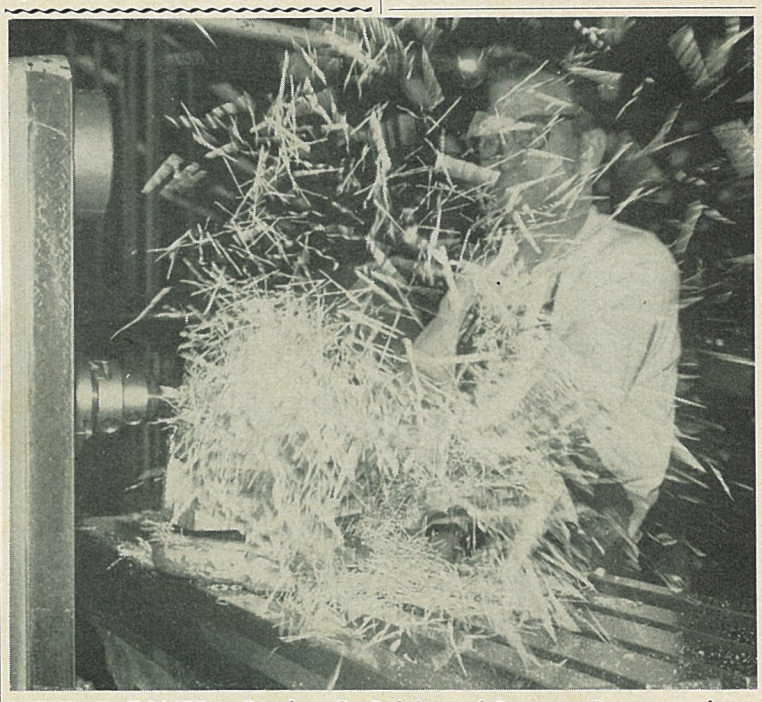
55 Tickets at Stake This Time in Baseball Draw, Thanks to CRA

CRA at San Diego will hold its second free baseball ticket drawing at 3:30 p.m. Friday (April 22) when 55 tickets to future Padre games will be given away.

Five tickets each to the May 3 through May 7 games [illegible] Portland and five tickets each to the May 9 through May 14 games with Hollywood will be at stake. (Three to the first name drawn for each game and two to the second.)

All employees are eligible. Just write your name, clock and department number and plant extension on a slip of paper and deposit it in boxes located at employee service offices at both plants or Convairiety office, Building 32, Plant 1.

Winners will be notified to pick up their tickets.



EYE CATCHER—Gordon O. Polsfuss of Pomona Dept. 51 showers Photographer Ernie Zarza with metal particles in demonstration of how NOT to clean off work with compressed air. Zarza was unscathed, however, as he was wearing proper type of safety glasses.

Fragments Blown by Compressed Air Blamed For Pomona Eye Injuries

Probably the easiest means of cleaning metal filings, chips and shavings from a piece of work or a machine is to use a compressed air gun.

It's the easiest—and the most dangerous. In fact, it's considered one of the greatest potential causes of eye injuries at Convair Pomona, according to T. R. Smith, safety assistant supervisor.

The danger is equally present at Convair San Diego and Fort Worth.

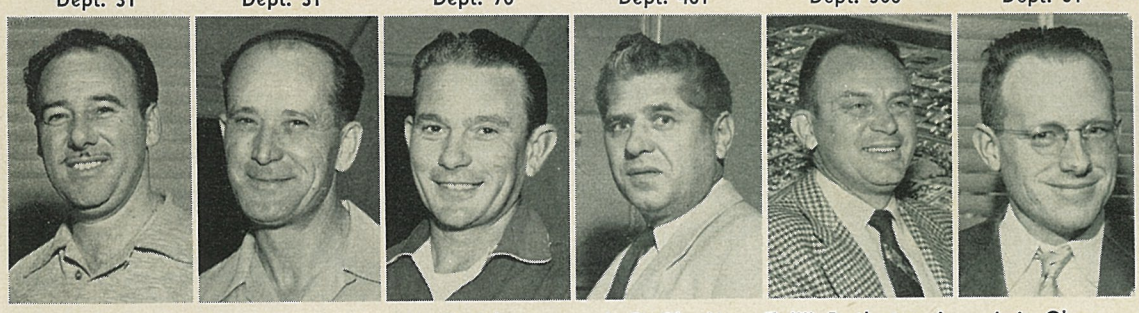
"In general the safety section is opposed to the use of compressed air for the cleaning of

(Continued on Page 2)

★ ★ Log Book Entries ★ ★

Shown below are new 15-year service men:

C. R. Myers, Dept. 31 — W. G. Klingenberg, Dept. 31 — W. S. Rutherford, Dept. 70 — W. L. Clapper, Dept. 401 — J. F. D'Alessandro, Dept. 300 — M. W. Lamb, Dept. 31



J. H. England, Dept. 31 — Henry Eigenmann, Dept. 6 — A. G. Johnson, Dept. 6 — J. C. Chuckta, Dept. 524-2 — T. W. Brotherton, Jr., Dept. 28-0 — Irvin Olson, Dept. 61

Service Emblems

SAN DIEGO

Service emblems due during the period April 16 through April 30:

Fifteen-year: Dept. 6, W. F. Jungk, Jr., A. B. McFarland. Dept. 10, W. R. George, G. R. Jacob. Dept. 24-1, S. E. Smith. Dept. 28-2, H. E. Rasmussen. Dept. 31, E. R. Compton, E. W. Ridpath, H. F. Whisman. Dept. 52, R. M. Crise. Dept. 115, Frank Pagliuso. Dept. 258, M. J. Schipper. Dept. 524, V. J. Berger, W. T. Grinsell Jr. Dept. 603, E. J. Kaufmann.

Ten-year: Dept. 3-1, H. C. Talley. Dept. 4-1, E. W. McCamish. Dept. 6, Elsie P. Krauth. Dept. 10-8, J. E. Reynolds. Dept. 31, L. J. Smith. Dept. 60, W. C. Johnston. Dept. 210, Jane B. Johnson. Dept. 250, O. G. Anderson, Marjorie R. VanderVeer. Dept. 300, E. R. Palisch. Dept. 401, E. L. Welker, Dept. 407, M. F. Kleinbauer. Dept. 603-2, C. D. Gray.

Five-year: Dept. 3, Wanda L. May. Dept. 6, H. A. Hansen, G. F. Lang, C. A. Leonard, L. M. Moore, J. T. Redelings. Dept. 22, Thea T. Austin, Irene C. Cowell, Marjorie K. Hirons. Dept. 24, L. E. Bonanon, K. P. Drury, Dorinda H. Jacobi, H. E. Wagner.

Dept. 25, J. W. Bethard Jr., Robert Davis, V. W. Dimpel, D. H. Garner, J. T. Harrell, W. H. Hazle, J. W. Hudspeth, U. S. Treasury Department, Riley, John Thomas, C. J. Wood.

Dept. 28, John Olar. Dept. 30, Adolph Huchthausen. Dept. 31, Fudo Takagi. Dept. 35, R. B. Jamison. Dept. 44, Mary S. Lizano. Dept. 55, S. S. Hernandez. Dept. 72, F. W. Baldwin, E. C. Whitten. Dept. 102, J. W. Walden. Dept. 110, J. J. Stegall. Dept. 215, H. F. Gadsby. Dept. 225, Blane Bentley.

Dept. 250, Pearl B. Bassham, Carol B. Marzicola, Isabel P. Regnier. Dept. 300, Stephen Andresco, T. A. Branstetter, E. L. Ettel, A. J. Haefner, A. J. Holle, C. D. McMurtry, J. P. Perrington, G. W. Rowley, C. C. Scott.

Dept. 303, C. H. Fontaine. Dept. 350, C. E. Allen, R. H. Steiger. Dept. 355, Marie F. Sweet. Dept. 375, Charles Milstein. Dept. 522, E. F. Eisenhut, Cecile P. Hoyle, Katherine B. Robles. Dept. 524, L. P. Dean.

POMONA

Fifteen-year: Dept. 63, A. W. Hotchkiss.

Ten-year: Dept. 22-4, R. G. Bradley.

Five-year: Dept. 27-1, G. B. Doughty.

Births

SAN DIEGO

EVANS—Daughter, Michele DiAnn, 8 lbs. 12¼ oz., born April 10 to Mr. and Mrs. E. H. Evans, Dept. 9-8.

MAXWELL—Daughter, Lorna Susan, 9 lbs. 3 oz., born March 21 to Mr. and Mrs. John J. Maxwell, Dept. 6.

OPENSHAW—Daughter, Linda Marie, 6 lbs. 12 oz., born April 1 to Mr. and Mrs. J. R. Openshaw, Dept. 603.

SILVA—Son, Alfred, Jr., 9 lbs. 11 oz., born March 3 to Mr. and Mrs. Alfred Silva, Dept. 55.

WHITACRE—Daughter, Gloria Jean, 6 lbs. 11 oz., born April 3 to Mr. and Mrs. Donald L. Whitacre, Dept. 401.

YOUNG—Daughter, Patricia Jane, 7 lbs. 8½ oz., born March 2 to Mr. and Mrs. G. D. Young, Dept. 9-1.

LANCASTER, CALIF.

CARDIEL—Twins: Daniel James, 5 lbs. 5 oz., and Cynthia Eve, 5 lbs. 8 oz., born March 11 to Mr. and Mrs. Victor C. Cardiel, Dept. 303-3.

POMONA

NICHOLSON—Son, Eric Rene, 9 lbs. 2 oz., born Mar. 16 to Mr. and Mrs. Pat K. Nicholson, Dept. 72.

Personals

SAN DIEGO

We would like to express our appreciation for the beautiful floral tributes and expressions of sympathy extended by Convair friends during our recent bereavement.

Mrs. H. C. Rushing and family

POMONA

To the employees of Convair Pomona —Your kind expressions of sympathy at the passing of my husband, Arthur, is gratefully acknowledged and deeply appreciated. Thank you so much.

—Inez Roddy

Awards

SAN DIEGO

Employee Suggestion awards totaled $1,386.50 for the weeks ending March 24 and March 31:

Dept. 3, Industrial Relations: N. C. McManus, $10.

Dept. 4, Material: R. L. Brooks, $17.50.

Dept. 9, Controller's: M. H. Miller, $15.

Dept. 10, Industrial Accounting: H. L. King, $15.

Dept. 24, Tooling: J. S. Dodds, $55 (final payment); G. B. Quinsler, $102.50.

Dept. 25, Plant Engineering: K. S. Kerch, $100 (partial payment); J. E. Squyres.

Dept. 28, Inspection: C. M. Hooper, $15.

Dept. 31, Experimental: A. J. Bergman, $10; J. F. Butler, $41; A. E. Jones, $15.

Dept. 35, T-29D Final: R. C. Gorman, $10; D. W. Grundstrom, $10.

Dept. 37, C-131B Final Assembly: E. E. Rinks, $10.

Dept. 40, Model 8 Components: D. S. Knutson, $10.

Dept. 52, 340 Wing: R. G. Peete, Jr., $5; R. E. Sandoval (two awards), $5 and $10.

Dept. 55, 340 Fuselage: C. B. Hand, two $5 awards.

Dept. 240 Primary: F. B. Fain, [illegible], $10; W. R. Kurz, $10; G. W. Smith, $5; K. E. Yzelman, $10.

Dept. 57, 340 Final: F. T. Line, $10.

Dept. 60, Model 8 Wing & Tail: I. P. Mouet, $5.

Dept. 70, Model 8 Fuselage: W. E. Akers (two awards), $5 and $10; R. Granger, $10; B. E. Hill, three $5 awards; H. L. Phillips, $100 (partial payment); J. L. Punneo, $15.

Dept. 72, Model 8 Fuselage Primary: L. D. Hesterberg, $17.50; A. D. Redman, $15.

Dept. 101, Sheet Metal: M. L. Constantz, $31.75; C. Renkke, $31.75; H. M. Woodard (three awards), $31.75, $15, $10.

Dept. 102, Sub-Assembly & Processing: E. Fountain, $47.25.

Dept. 110, Special Projects: J. H. Smith, $5.

Dept. 202, Sub-Assembly: D. E. January, $5.

Dept. 203, Welding: B. T. Hutto, $5; O. D. Sanders, Jr., $10; E. Trujillo, $10.

Dept. 215, Machine Shop: W. E. Parker, $18.25; R. J. Patterson, $15; M. J. Wielopolski, $5.

Dept. 235, T-29 Primary: J. S. Evans, $10.

Dept. 300, Field Operations: L. A. Eyler, $10.

Dept. 350, Proofing Mock-Up: R. Zuniga, $100 (partial payment).

Dept. 403, Tool & Die Shop: K. L. Jordan, $25.

Dept. 406, Plaster Pattern Shop: W. F. Engelhardt, $5.

Dept. 522, Manufacturing Control: R. P. Earnest, $32.25; H. Herring, $23; J. P. James, $10; D. M. Pappas, $21; E. L. Staats, $130 (final payment); E. L. Sylvester, $21.

Dept. 524, Tooling: S. H. Flanagan, $5; A. Sodas, $15.

Dept. 528, Inspection: H. Goode, $10.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective April 4:

Dept. 4-1, Material Control: To material control asst. supervisor, J. H. Overdeer.

Dept. 5, Long Range Planning: To program planning administrator: F. L. Farrell, H. P. Fintel.

Dept. 6, Engineering: To staff engineer, H. J. Richardson. To design group engineer, L. W. Standley. To project engineer-electronics, C. A. Wetherill. To test lab group engineer, W. E. Wise.

Dept. 101, Sheet Metal: To asst. foreman, J. Comba.

Dept. 115, Machine Shop: To asst. foreman, V. J. Rocco.

Dept. 300, Field Operations: To asst. foreman, D. D. Guest.

Dept. 303-2, Model 8 Flight Test Operations: To flight test group engineer, F. L. Cook.

POMONA

Dept. 63, Electrical Assembly: To asst. foreman, T. G. Moleski.

Deaths

SAN DIEGO

GEORGE—W. R., Dept. 10-2. Died April 13. Survived by mother.

LEIGH—L. B., Dept. 6. Died April 12.

MEYER — William Henry, Dept 350. Died April 2. Survived by wife, Mrs. Opal Meyer; daughter, two grandchildren.

NORRIS — Charles James, Dept. 403. Died April 11. Survived by wife, Mrs. Helen Norris; parents, brother, sister.

RUSHING — Harvey C., Dept. 22-1. Died April 6. Survived by wife, Mrs. Ellen Rushing, six daughters, one son.

SHORT — Gwendolyn, Dept. 4-1. Died April 6. Survived by husband, Hubert Short; son, Jerry; sister, Mrs. Irene McDonald; brother, Charles D. Crone, Dept. 4-5.

New Books

SAN DIEGO

New volume recently added to the Convair Library at Plant 2 (Building 2, Room 3-1, south end, first mezzanine):

HONEYCOMB CASE HISTORY BOOK —by Aircraft Industries Assn.

Filings Get Blame For Eye Injuries At Convair Pomona

(Continued from Page 1)

machinery, parts, etc.," Smith said. "In most cases a brush will do the job just as well—and a lot safer. But, on the other hand, we realize that at present there are many instances where no satisfactory alternate to the use of compressed air is available.

"We are currently conducting experiments to eliminate, or at least reduce, this safety hazard. The most promising solution, although not the ideal answer, is a compressed air gun with a very low nozzle velocity, but which will still have sufficient force for cleaning purposes," Smith said.

The greatest potential danger from the improper use of compressed air is not necessarily to the person using it, Smith continued. People working at nearby machines, or those just passing by, are sometimes actually subjected to considerably more danger from flying metal particles.

"Compressed air should be used for cleaning only where specifically authorized, and the specified safety precautions—including the wearing of safety goggles—should be observed," Smith said.

Although metal particles blown by compressed air were responsible for only a small percentage of "doctor case" eye injuries last year, they caused countless numbers of first aid cases. And they may have been responsible for some of the "cause unknown" eye injuries.

Incidentally, of the 41 "doctor case" eye injuries at Pomona last year, at least 25 could have been avoided had the victims been wearing eye protection of the correct type, Smith said.

"That's over 60 percent. Fifteen of these people were wearing no eye protection at all, six others were wearing the wrong type of glasses for the work they were doing, and the other four were wearing poor fitting glasses," he said. "All of these accidents, and those caused by use of compressed air, could have been avoided."

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Ediorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.

Hopkins Voices Optimism For Future With 'Atomic Creation'

(Continued from Page 1)

predicted that Electric Boat Division will launch the second nuclear submarine, the "Sea Wolf" during 1955.

As for the corporation's general outlook, Hopkins said:

"While continuing to maintain a broad base in defense—which I am sure we will be wise to consider a necessarily permanent business—Dynamics is moving positively to prepare its engineering and manufacturing facilities and its personnel for profitable domestic and international opportunities now opening up under the economic impact of the Atomic Industrial Revolution. We have every right to view this era of social, political and economic change with optimism . . ."

Hopkins closed his statement with sincere thanks to directors and management and "appreciation of the splendid cooperation and loyalty of all employees . . ."

The annual report revealed that as of the end of 1954, General Dynamics was owned by 18,192 share owners who live in every one of the 48 states, various U.S. possessions and territories, as well as a number of foreign countries. Nine out of ten were individuals, with men outnumbering women by less than 10 per cent. The great majority of share owners held comparatively small blocks of stock—75 per cent with less than 100 shares apiece.

Council Formed to Take Lead in CRA Women's Activity

(Continued from Page 1)

sioners of women's activities, who will continue to represent the women's group on the CRA Employees' Council.

The Employees' Council, which has been organized since 1949, is composed of commissioners of the various recreational activities in the plant, who serve as the governing body for the Convair Recreation Association.

Planning by the women's council was responsible for the highly successful fashion show March 1. The next event of interest to Convair women will be the cooking school to be held May 3. Plans call for diversified programs for Ladies' Nights the first Tuesday of each month throughout the year.

Similar women's activities are being planned at both Convair Fort Worth and Pomona.

★ ★ ★

Cooking School Next Special Event on Women's Calendar

(Continued from Page 1)

The school will start promptly at 8 p.m., and Convair women are advised to arrive in plenty of time to get good seats. Door prizes will be awarded following the program.

All Convair women, wives of Convair employees, and their friends are invited.

* * *

The mixed quartet of the Convair Choral Club at San Diego was well received by Convair women on Ladies' Night, April 5, when they entertained following the final lecture of Robley Baskerville.

The quartet, under direction of Choral Director W. A. Vogel, Dept. 8, is composed of Winnie Rae Ziegler, wife of Siguard Ziegler, Dept. 6; Helen Allison. Dept. 235; Phil Ayer, Dept. 22, and Phil Neiswender, Dept. 8.

Convair Volunteers To Aid in Telethon

(Continued from Page 1)

swering service on a two-shift basis of 100 each. Volunteers may sign up by calling the Multiple Sclerosis office at BE-4-8388.

Convair SD Management Club will supply car pools to pick up donations at homes of contributors when requested.

Barbara Vincent, Dept. 9-1, is chairman of the 1955 telethon which will include many Hollywood stars flown down to take part.

"We are going to bring some of these stars by to meet the girls who are answering the telephones," Mrs. Vincent said.

U.S. Savings Bonds Drive Will Feature 'Five For Fifteen'

(Continued from Page 1)

McNarney, Convair president, from Earl O. Shreve, national director of the savings bond division.

It said, in part:

"To the long list of services rendered to their country and their fellow Americans, the people of Convair have now added this 'Five for 15' plan. I know it will be widely used in other companies and industries for the benefit of Americans everywhere."

Point behind the plea for purchase of $100 bonds—instead of smaller ones—is to cut government costs by reducing the number of bonds issued.

"Another point in favor of the $100 bonds," it was pointed out, "is that people seem more inclined to save them—and less inclined to cash them."

Physicist Appointed Research Director

(Continued from Page 1)

physicist for the Clinton Engineering Works, Manhattan Project, at Oak Ridge, Tenn. He visits Los Alamos periodically as a consultant.

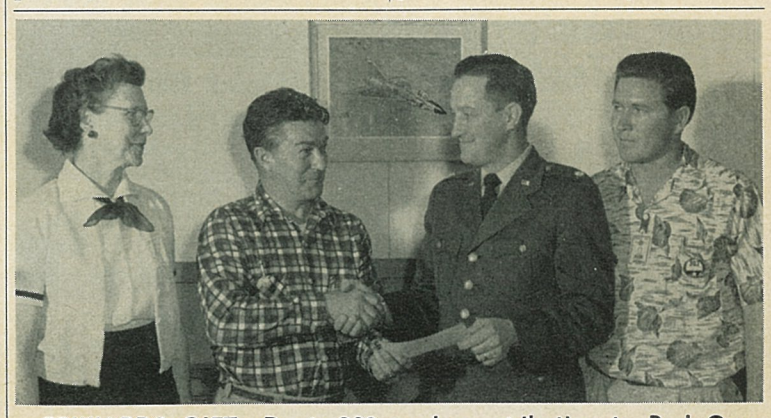
In 1944, he was associated with the Office of Scientific Research and Development.

At Minnesota University Dr. Critchfield has directed the cosmic ray research project since 1951 and was scientific director of the High Altitude Balloon Project in 1951 and 1952.

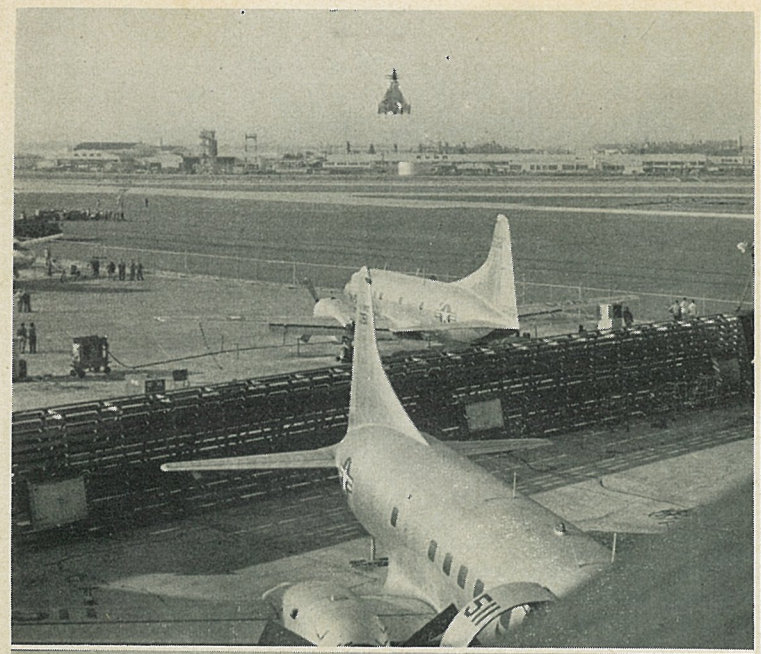
In 1941 and 1942, he was an instructor in physics at Harvard University. In 1942-43 he was mathematical physicist in the geophysics laboratory at Carnegie Institution of Washington, working on high velocity projectiles.

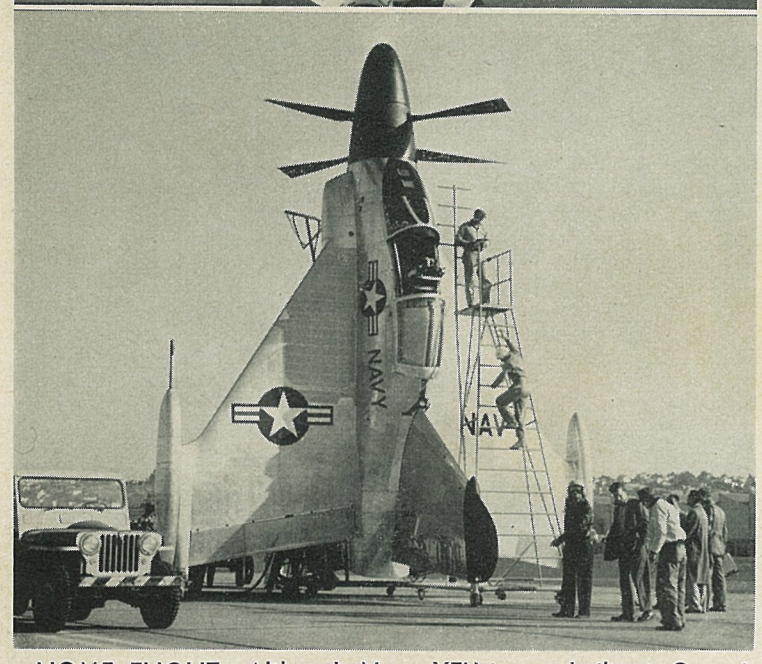
DESERT DANCE

The Antelope Valley branch of Convair SD Management Club plans a dance for April 30.



EDWARDS GIFT—Dept. 303 made contribution to Red Cross recently ($390 to Lancaster and $87 to Palmdale). Left to right: M. Doris Shelton, W. E. Brown, Lt. Col. Allan Poole (Red Cross membership chairman at Edwards AFB) and J. S. Price.





HOME FLIGHT—Although Navy XFY-1 was built at Convair San Diego, it has never flown from Lindbergh Field until two weeks ago. Lower photo above shows Pilot Skeets Coleman descending from cockpit, and for reasons why Bert Clemmens, E. P. Osgood, Denny St. Anna and others are scrutinizing the ground, see insert in story below.

Pogo Makes its First Flight From Lindbergh, Testing New Device

Convair's revolutionary new fighter, the Navy XFY-1 vertical takeoff fighter, conducted its first flight operations at San Diego's Lindbergh Field early this month.

Test Pilot J. F. (Skeets) Coleman maneuvered the silver fighter around the area adjacent to Building 4 for approximately 16 minutes, moving straight up and then down, turning and twisting and settling back to earth in one smooth motion.

For those who tend to the wants of the XFY-1, it's got to be quite a game to see how close Pilot Coleman can bring the plane back to the point from which he left the ground.

Someone usually makes a chalk mark before he takes off and according to E. V. Elo, assistant foreman, it's amazing how close Coleman returns to the mark, rarely missing as much as a few feet. Sometimes a jokester will make a new chalk mark, and that gives Skeets a shock.

Purpose of the flight was to check out a new instrument which shows rate of descent in landing.

Only a few Convair SD employees, including those who service the "Pogo" were on hand at the early (7 a.m.) test hour. However, local press and television representatives were present.

While the XFY-1 was built at Convair SD, the April 6 flight was its first at Lindbergh Field. The plane was first shipped to Moffett NAS for tethered flights within a huge hangar and later made its first free flight from the same base. Still later it was returned to Brown Auxiliary NAS south of San Diego for additional vertical flights and its maiden transition flight Nov. 2, 1954.

The XFY-1 was returned to Convair SD early this year for installation of new equipment.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

First B-36 arrives at San Diego for modernization to D model.

* * *

Convair "air lift" sends more than 100 to Fort Worth from coast for B-36 familiarization. (At one time there were more SD department heads in FW than at SD!)

* * *

H. G. Starkey new CRA president at Fort Worth.

* * *

LaMotte T. Cohu, Convair president, will lead parade at CRA Circus April 27, at Fort Worth.

* * *

More than 50 million persons, at home and abroad, see B-36 film "Target: Peace."

Convair Pioneers New Process For Protecting Electrical Connections

When someone asks Convair Pomona's Barbara Frazier (Dept. 63) if she's "pulling taffy," she's apt to respond with only a slight grin. The joke is wearing a little thin.

Actually she spends a good part of her time dipping special tools into molten plastic—which actually resembles taffy before it has been "pulled"—to make molds to be used in a Convair-pioneered process called "potting." This process, which has attracted industry-wide attention, is used to cover electrical connections with a synthetic rubber covering to make them moisture and fungus proof, and also to increase their resistance to breakage and other damage.

Said Steve Herman, assistant foreman in Dept. 63: "We make a plastic mold, fit it over the connection or terminal to be "potted," fill the mold with a "Thickol" type synthetic rubber, cure the rubber for four hours in an oven at 120 degrees Fahrenheit, remove the mold, and we are in business.

"But simple as it sounds, it is the result of over two years of research and experiment—and we are still searching for means of improving the process."

Development started in late spring of 1952, and about a year later it was first used in production at Pomona, on a very limited basis. Now it is being used on practically all electrical connections throughout the product.

"We encountered many problems. We had to find a potting agent that would flow easily to cover the wires and connections, one that had suitable dielectric properties, and one that would harden or cure easily," Herman said. "At one time Convair engineers were working with the vendor's engineers to help them overcome their problems so we could whip ours."

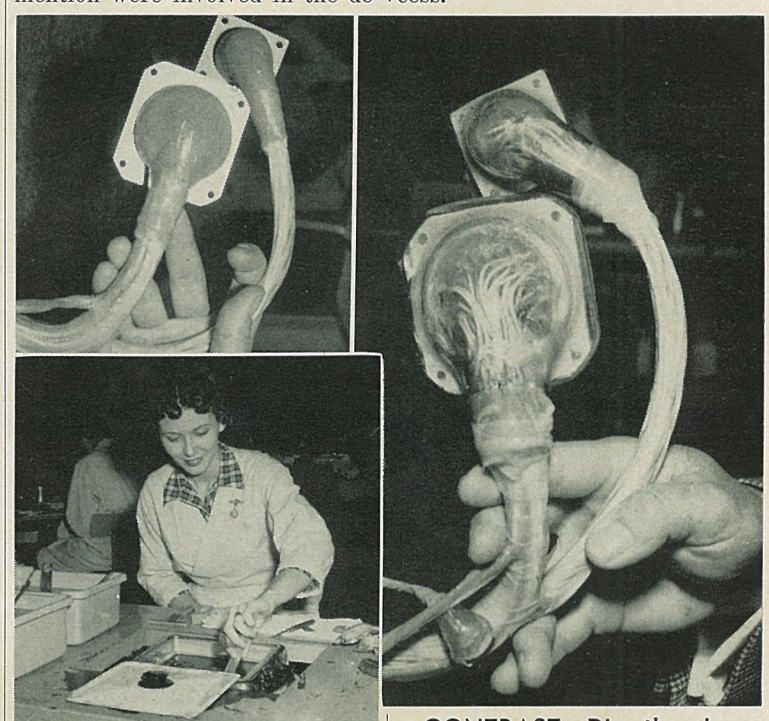
A proper material for molds also presented a problem. Various materials, including metals, were tried, but the result was always the same. The rubber would stick to the mold. Finally a certain type of plastic was tried, and it worked.

"Once the rubber hardens, on most substances, nothing will remove it. This presented several problems, one involved the people employed in the potting process. The rubber would stick to their clothes, and also to their skin. We solved this by providing them with smocks to cover their clothing, and rubber gloves to protect their hands," Herman said.

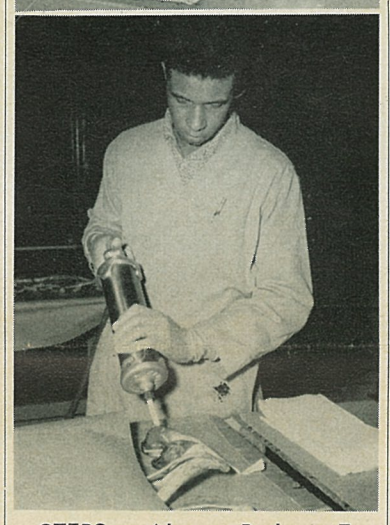
"We also had to find special equipment for injecting the rubber into the molds around connections. We finally came up with a 'gun' which resembles a cross between a grease gun and a giant hypodermic syringe, lined with a special substance to which the rubber will not adhere."

Representatives from Convair Fort Worth and San Diego, and from Canadair have visited Pomona to get details on the process, and Bureau of Ordnance representatives have also expressed keen interest, Herman stated.

Convair people too numerous to mention were involved in the development of the potting process. Herman has been with the project from the start, and H. P. Miller of experimental and Herb Vooigt of manufacturing engineering played important roles. Engineering's electrical and electronic production design group, under Raymond Soward, also had much to do with the evolution of the process.



CONTRAST—Directly above, mold has been placed over electrical connection, but "potting" compound has not yet been injected. Upper left shows finished product.



STEPS — Above, Barbara Frazier of Pomona Dept. 63 plunges special tool into molten plastic to form a mold which will be fitted over electrical connection. In picture below, Chaney Dawson, also Dept. 63, injects synthetic rubber compound into mold.

All-Convair Slate of Officers Installed

Harbor 624 Toastmasters Club at San Diego last week installed an all-Convair slate of officers.

At a dinner meeting at the San Diego Club, Tom Elliott (Dept. 410), area one, district five governor, installed Carl Gilbert (Dept. 11) as president; Ralph Yensen (Dept. 440) as educational vice president; Al Mitchell (Dept. 410) as administrative vice president; Don Billinghurst (Dept. 410) as secretary; and James Leisure (Dept. 440) as treasurer.

The club meets Tuesday evenings at 6:15 p.m. at the Streamliner Cafe, 2633 El Cajon. Anyone interested in joining may contact Gilbert at ext. 573.

Saudi Arabian Airlines Orders Six Convair-Liner Model 340s

Modification work on six Convair-Liner Model 340s destined for Saudi Arabian Airlines was progressing on schedule this month at Convair SD with delivery of the first airplane scheduled for May 20.

Purchase of the Convair-Liners under a $6 million contract, which will include spare parts, engines and other equipment, was announced early this month by Joseph T. McNarney, Convair president. It was revealed at the same time that the purchase was made possible through the cooperation of the U. S. Department of State and the U. S. Air Force.

The six 340s are being supplied to the government-owned Arabian airline from the production line of 33 model 340 airplanes (C-131Ds) ordered last August by the Air Force for use in domestic transport service.

Work now under way includes modifying the airplanes to include standard 44-passenger interiors.

Release of the airplanes to Arabia will postpone delivery of the remaining C-131Ds to the Air Force until next year.

COLD WEATHER FLYING—Convair B-36s led simulated air strikes during 1954 Alaskan Theater winter maneuvers of Strategic Air Command. One of big bombers built at Fort Worth is shown taking off from Eielson AFB near Fairbanks. Temperatures were as low as 40 below.—Air Force photo.

SD Club to Consider Nominations for '55

Convair SD Management Club will gather tonight (April 20) at El Cortez Hotel for their annual "Social Night." Events include nominations for officers, presentation of scholarship awards and entertainment.

PALMDALE SCENES—Photos give impression of Convair colony at Palmdale, on Mojave desert south of Lancaster, Calif., where F-102s undergo field operations. Top left shows Convair hangar and surroundings. Top center shows test drill near site for new $2,500,000 facility. Photo at top right, standing: Supt. W. H. Rumbaugh, G. R. Kuester, industrial security, H. F. Jennings, maintenance, J. D. Sanders, quality control, R. B. Merwin, industrial relations; bottom row: P. F. Veal, accounting, G. E. Sharp, manufacturing control, W. M. Hassard and J. V. Backstrom, flight line, J. A. Long, design engineer. Lower right shows Manley Dibble and Ike Jones, CAA control tower operators, overlooking 12,000-foot runway. Center are Convair girls at Palmdale, Jeanne Clark, Virginia Mason, Beverly McMillan, Gladys Hall. Lower left is helicopter service available for emergency transportation of injured or ill.

Pomona Men Band Together to Form New Holiday Community on Desert

A new community soon will spring up on the Mojave Desert, if the plans of some 30 Convair Pomona employees mature.

And, judging from the enthusiasm shown by all prospective members of the community, the plans will mature. All have applied for leases on five-acre plots of government land—all in the same quarter-section—which they hope to eventually purchase under the U. S. Government Small Tracts Act of 1938.

"After we get our leases our first move will be to dig a 'community' well," Lloyd Brownyer (Dept. 42), president of the community organization (as yet unnamed) said. "Then we plan to build a community building in which we will live on weekends while we are building our individual cabins.

"Any community projects beyond that will be up to the membership."

Last January an article on the new desert "land rush" fired the imaginations of some 15 people in Dept. 42 at Pomona. All 15 made a trip to the desert Jan. 29, contacted a "land locator"—a real estate man with knowledge of available government land—and five applied for leases on the spot.

These five, Brownyer, Al Schmidt, Marvin Green, Milton Rowland and Frank Hoppe, became the nucleus of the community organization. In addition to Brownyer, other officers are Schmidt as vice-president, and Green as secretary-treasurer.

"The locator found us a very nice area, about 14 miles east of Lucerne Valley, at the foot of the San Bernardino Mountains, and he promised to hold open a quarter section (32 five-acre plots) exclusively for Convair people and their friends," Brownyer said. "The word spread around the plant, and within a short time all 32 lots were taken.

"However, since most people contacted the locator individually, we don't have all the names of people who applied for leases in our area. If these persons will contact one of the three officers and leave their names and addresses, we will call a general meeting and start firming up some of our community plans."

The "homesteaders" expect from four to eight months to elapse before they receive their leases. Then they have three years in which to "improve" the property. "Improvements" are usually thought of as cabins, and while these need not cost much, they must satisfy the government's requirements.

When the necessary improvements have been made, the lease holder may then apply to the government for a deed to the land, at a cost of from $10 to $20 per acre.

"Most of the people in our group are planning to build cabins for weekend retreats," Brownyer continued. "But there may be some who will want to live there at least a part of the year. The drive from Pomona takes about an hour and a half or more.

"Prospects for reaching water at a fairly shallow level are good, as close as we are to the mountains, and electricity will be available sooner or later through the Rural Electrification Administration if enough people want it badly enough to pay for it."

Cost of a completely improved five-acre lot, including the deed, can be held to well under $1,000, the men believe.

PIONEERS—Hashing over plans for new desert community of Convair Pomona folk are, left to right, Lloyd Brownyer, Al Schmidt, Milton Rowland, Marvin Green, Frank Hoppe, all of Dept. 42.

It'll Be Hour Later By Daylight Saving

Convair San Diego and Pomona will change over to Daylight Saving time this week-end in conformity with California law. Clocks will be set ahead one hour effective at 2 a.m. Sunday (April 24). In effect, Convair shifts will start an hour earlier April 25 and end an hour earlier.

USAF Plant 42 Official Name of Palmdale Base

A gradual buildup in personnel was seen this week for the Convair community assigned to F-102 work at Palmdale.

Approximately 75 persons are attached to the Convair facility now and this number is expected to double by June and reach 350 by December. Activities are centered at a Convair hangar on the south side of Palmdale Airport, owned by the U. S. Air Force and officially known as USAF Plant 42. Preliminary work has started however, on a new facility on the north side of the airport which will be ready for Convair occupancy next year.

USAF Plant 42 is located between Lancaster, Calif. (population 17,000) and Palmdale, Calif. (population 7,000) in Antelope Valley (population 40,000). Distance from Los Angeles is about 70 miles. Altitude is 2,350 feet and the climate is moderate and dry. Rainfall is less than eight inches a year. Of the Convair people assigned there, about half live in Lancaster and the balance in Palmdale.

The Palmdale airport itself is operated under contract by Lockheed Air Terminal and several other contractors have facilities there, including Lockheed, Northrop and North American.

Special recreation activities for Convair people have been somewhat limited to date, partly because of fluctuating size of the "population." However, Palmdale people join with those at Edwards AFB in the CRA-sponsored Antelope Valley branch of the Gun Club and plans are underway, according to R. B. Merwin of industrial relations, for organization of a softball team for industrial league play in June.

Convair Group to Aid In Highland Games

An invitation to Convair SD employees to attend the first annual Highland Games May 1 at Helix High Stadium, 73rd and University, was extended this week by the Scottish Societies of San Diego.

Opening at noon, the games will feature Highland dancing, bagpipe bands, relay races and other events. Convair SD employees slated to take part include John Doig, C. B. Robinson, E. C. Onyon, Margaret Stewart, Janet Marshall, Eugene Parker and James Eaton.

Tool Men Take Bus Tour to Foundry

More than 40 members of tool manufacturing supervision recently took a Saturday excursion by chartered bus from San Diego to Los Angeles to tour the facilities of the Osbrink Foundry Co., makers of precision aircraft castings. Included in those making the trip were A. E. Hill, SD chief tool engineer, and Supt. R. S. Watt.

It's a New Model

Latest RB-36 to Appear at FW Weighs a Total of Two Pounds!

A new model of the Convair RB-36 was produced in Fort Worth this month with a considerable saving in weight.

The newest RB-36 weighs only two pounds!

It's a scale model built by A 1/c Bobby Moore of Carswell AFB—right across the runway from Convair Fort Worth.

Details of the model are complete—all the way down to six reciprocating engines. There are no jets at the moment, but Airman Moore plans to add them soon.

Moore, of the 3941st Strategic Evaluation Squadron, has had a lot of experience with RB-36s. Before he was assigned to Carswell, he was at Ramey AFB—an RB base in Puerto Rico. He decided he wanted to build a model plane—and the RB-36 was his logical choice. So he went to work.

First came the scale drawings. They took almost as much time as the work building the plane.

Moore made the drawings from pictures in magazines. He used a 46-to-1 scale. He made a top and side view with all construction details clearly itemized.

Then came the building. Since this was his first model there was much to learn.

"But everything went together pretty well," said Moore. "There were some crucial moments though. Like when I dropped it—right after I finished it. Luckily nothing broke."

The most difficult part, says Moore, was to build a flying model this size (wing span five feet) and still have it strong enough to take the stress of the six engines. And of course, it had to be light enough to fly and maneuver easily.

The engines are .049 space bug juniors.

The drawings also include jets and Moore figures he's designed the plane to withstand the extra stress.

An electric starter will be used to start all six engines at the same time.

Moore estimated time spent on the model was about 350 hours of spare time. Cost was about $60.

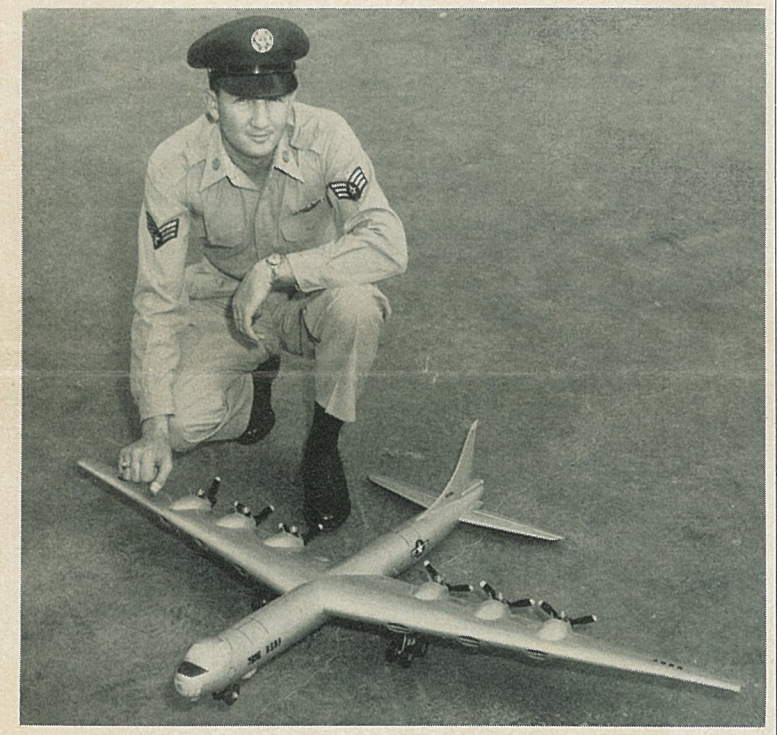
Has it flown? Not yet.

"I'm waiting for a warm day with no wind," said Moore. "But I think it will fly."

He's checked closely on this matter of flying B-36 models. As far as he knows, five models such as this have been built. Four have flown successfully.

"Now that I have the RB-36 behind me, I'm ready to tackle another," said Moore. "But I need some scale drawings."

The plane—the Convair 340!



NEW LIGHTWEIGHT—Latest RB-36 completed at Fort Worth is this one—a model built to fly by A 1/C Bobby Moore of Carswell AFB. He'll add jets later.

T-29 Final Scores Three Straight Wins in SD Housekeeping Race

All chalking up perfect housekeeping records during March, five Convair SD entries tied for first in the continuing contest.

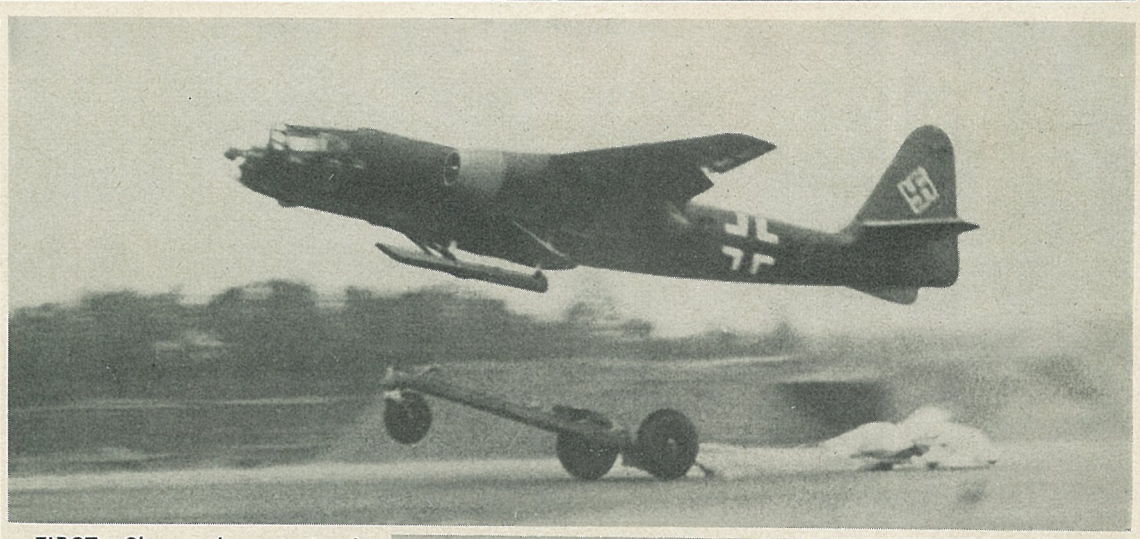
They were experimental, Plant 1 tool manufacturing, electronics, material, T-29 final. The last named also had perfect marks in February and January.

Average violations per employee at SD dropped slightly from .013 to .012.

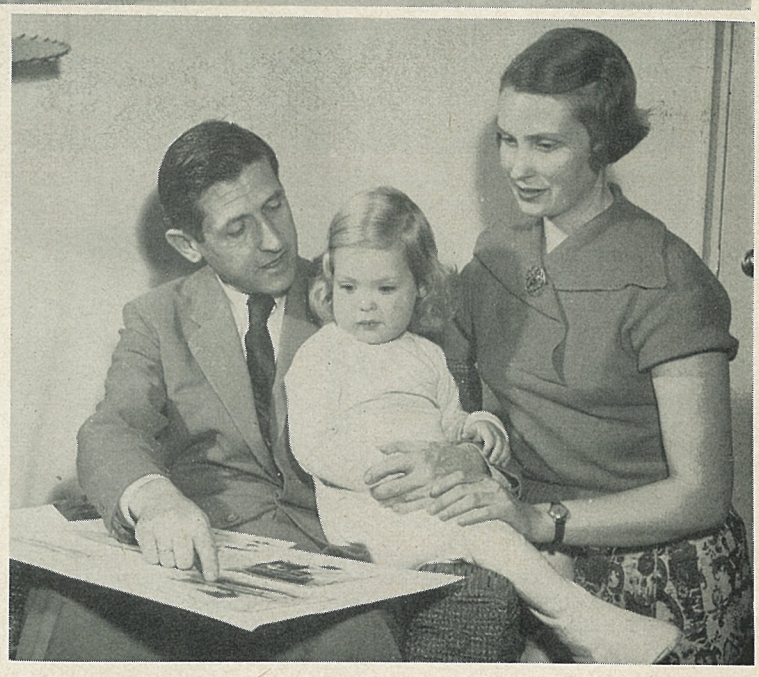
Average violations per employee

	Mar.	Feb.
Experimental	.000	.001
Tool Mfg. Plant 1	.000	.009
Electronics	.000	.003
Material	.000	.015
T-29 Final	.000	.000
Fabrication, Plant 2	.001	.016
R3Y Maj. & Final, Mod. 8	.004	.018
T-29 Prim. & Maj. Mod 8	.009	.000
Pl. Eng.	.012	.019
340 Maj. & Final	.012	.013
Mfg. Control, Plant 1	.016	.013
Fab. Plant 1	.019	.000
Field Ops.	.024	.028
F-102 Major	.025	.026
Mfg. Control Plant 2	.031	.000
Tool Mfg. Plant 2	.045	.004

"Him and his 'genuine cowhide' bowling ball bag."



FIRST—Shown above is Arado 234, world's first military jet. Senior Design Engineer E. L. Eckstein, now at FW, worked out its essential preliminary design features more than a decade ago. As eventually built, ship jettisoned landing gear on takeoff and landed on steel ski.



TEXANS NOW—Eckstein, daughter Helen and wife Hildegarde, look over mementoes of past when he was designer during war. Family is something of a "United Nations." Eckstein is Austrian; his wife is German; Helen is Canadian; and a son, Thomas, is a U. S. citizen! Eckstein joined Convair Fort Worth last year.

★ ★ ★

Engineer Who Helped Design First Military Jet is Now at Convair FW

Eleven years ago the first military jet airplane raced through the skies above European battlefields. Its speed far surpassed the fastest plane the Allies had then—the P-51 Mustang.

Little did many believe that by 1955 planes would be flying three times the speed of that first jet.

And little did the preliminary designer of the plane, Emil L. Eckstein, believe then that he would be in Texas 11 years later.

But that's what happened. And Eckstein is now a senior design engineer in preliminary design at Convair Fort Worth.

It all started in the fall of 1940 when Eckstein was asked to design a plane for a jet engine. By the end of the year he had worked out the essential preliminary design features on the Arado 234. The plane later was completed by other preliminary designers when Eckstein joined the Henschel Aircraft Works in 1941.

About three years later the jet had been manufactured and went into flight. The design was basically the same.

"They did change the landing gear though," said Eckstein. "I designed it with a retractable gear."

When the plane flew it had detachable landing gear and one heavy steel ski to be used for landing.

"They dropped the gear to lighten the load, thus increasing the range."

The AR 234 was a two-jet reconnaissance plane that weighed about three times as much as the Mustang, but its speed was from 50 to 100 miles faster.

Thrust of the jet engine used was 1,700 pounds. Modern jet engines today are capable of developing thrust up to 15,000 pounds. The takeoff weight of the plane was 17,600 pounds.

Eckstein's experience was not limited to land planes. In 1939 he designed a collapsible submarine light seaplane.

The seaplane flew for the first time in 1940. Six of them were built.

This little reconnaissance plane was designed to fit in a vertical tube in the submarine. The tube was seven feet in diameter and 23 feet deep. A crane hauled the plane out nose first.

The plane was collapsible and very light. It weighed only 2,300 pounds—about the weight of a sports car. Maximum speed was 105 miles per hour. Its ceiling was 9,850 feet.

Eckstein, a native of Austria, worked for several major aircraft companies in Germany. From 1943 to 1945 he was ordered to work on rocket developments, including investigations on the V-2. In August of 1943 from an open fox hole he witnessed the big air raid against Peenemunde.

Since he strongly opposed the political ideas ruling Germany from 1933 to 1945, Eckstein never was interested in becoming an officer in the engineering corps of the Goering Air Force. He avoided it as long as possible, but finally was drafted into the German Army as a private in 1943.

"I have no malice whatsoever toward the German people in general," said Eckstein. "I am an Austrian, but my wife and many of my friends are German. In fact the German people paid my education and granted me two valuable scholarships at the Technical University in Berlin.

"I consider the greater and better part of the German people a victim of 12 years undesired dictatorship."

After the close of the war, Eckstein worked in the tiny principality of Liechtenstein. And in 1952 he was working in Canada—again in aircraft.

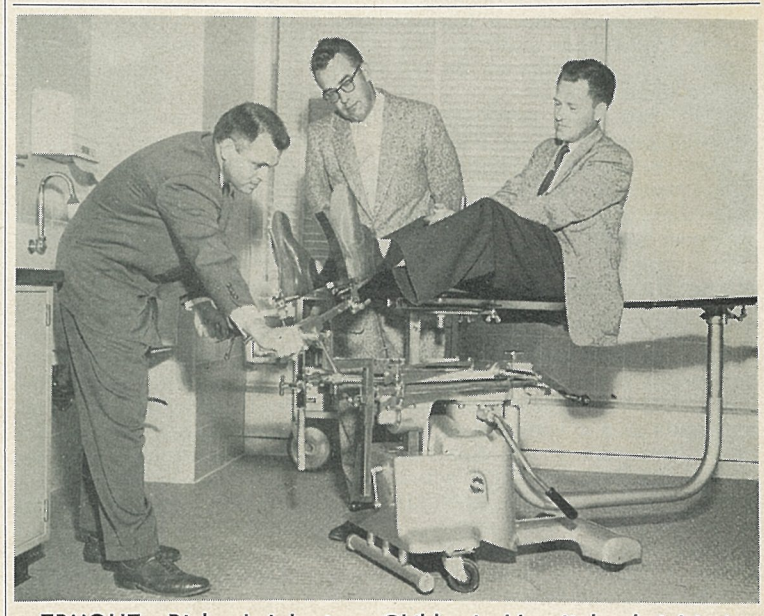
While Eckstein was working for Ford Motor Company of Canada, Ltd., he was indirectly associated with Canadair, Ltd. At that time Ford was doing subcontracting work on the T-33—then being built by Canadair, a sister company with Convair in General Dynamics Corporation.

In 1954, Eckstein came to Convair Fort Worth. Here he works on special aerodynamics problems. Also in 1954, he was named an Associate Fellow in the Institute of Aeronautical Sciences for his 20 plus years in aviation.

New General Takes Command Over MATS

Brig. Gen. Brooke E. Allen will assume command of the Military Air Transport Services' Continental Division next month succeeding Maj. Gen. James S. Stowell.

MATS Continental Division, with headquarters at Kelly AFB, Texas, operates a number of Convair-built military aircraft including the C-131A, "Flying Samaritan" transport, and the YC-131C, turboprop transport based on the Convair-Liner 340 design.



TRYOUT—Richard Johnston, Children's Hospital administrator, left, demonstrates equipment such as Employees' Con-Trib-Club plans to buy for hospital. Watching are W. R. Bever and M. L. Bjorstrom, committee members. They presented checks of $4,000 to hospital for equipment and $7,500 to Easter Seals drive for San Diego Society for Crippled Children.

THE CRA COUNCIL—Grouped at election night dinner are CRA commissioners at San Diego. Council now boasts 37 commissioners of which four are women.

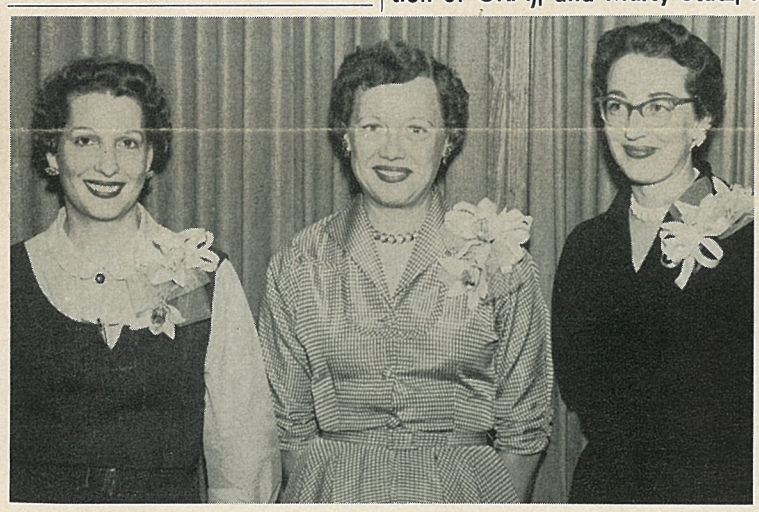
Doors of Rose Show Open Early Sunday For Entries at SD

Doors of the San Diego Floral Association building will open at 7:30 a.m., Sunday, April 24, to receive entries for the Convair Garden Club annual rose show, E. L. Zimmerman, CRA commissioner, said this week.

Entries may be made until 11 a.m. Immediately following the judging the show will be open to the public until 5 p.m. All Convair employees are invited.

There will be 25 classes in the rose division, four in arrangements, two in corsages and two for children's entries. Entry lists are available at employee service at both plants.

NEW SLATE—Handling reins of CRA for coming year are, left to right, E. H. Davies, new vice president; Larry Roth, new president; Grayce Fath, reelected secretary (she has held that post since inception of CRA), and Marty Stutz, new treasurer.



COUNCIL OFFICERS—Newly elected officers of the recently created CRA Women's Council at San Diego are, left to right, Glenys Sears, Eleanor Pearson and Floy Minter, pictured following election last week.

New Officers Take Up Reins

A new slate of CRA officers at Convair SD took office at the April 1 meeting of CRA Council at San Diego. They are:

Larry Roth, president.

E. H. (Bud) Davies, vice president.

Marty Stutz, treasurer.

Grayce H. Fath, secretary.

Roth, of Dept. 70, was vice president of CRA during 1954. He has been an active member of the council for about five years, serving as square dance commissioner as well as on many special committees for plant-wide events.

Davies (Dept. 6) served last year as a member of CRA's executive committee and has been an active commissioner since joining the council in 1953 as commissioner for ice skating. Always active in model railroad work, he became CRA commissioner for model railroading recently.

Stutz, of Dept. 403, became a commissioner of square dancing in November, 1952, and has helped Roth increase attendance at events held by this group through the years. He is largely responsible for annual get togethers with Pomona square dancers.

Mrs. Fath (Dept. 1-32) is a charter member of the CRA Council, having served the group as secretary since the first election of officers. Mrs. Fath has taken a leading part in furthering women's events among CRA activities and is now a commissioner for women's activities.

The new officers serve year terms.

★ ★ Rivets ★ ★

At age 66, **H. W. Buck** of Dept. 60 at SD left Convair last week after five years. He retired and friends gave him a rod and reel at a farewell party.

* * *

San Diego had an "Easter baby" last week. She is **Michele DiAnn Evans,** born April 10. Her father is **E. H. Evans** of the SD photographic laboratory.

More baby news: twins are not so uncommon at SD or FW, but it is rather an event for the Convair Colony at Lancaster, Calif. Congratulations **Mr. and Mrs. Victor C. Cardiel.**

When **Bob Merwin** was assigned to the Convair facility at Palmdale last year as industrial relations representative there was something familiar about the landscape.

Then he remembered he had been there before, when it was a U.S. Air Force base during the war. As a Marine Corps navigator in 1943 he made an emergency landing there in a B-25!

* * *

Not until this week did **Pat Travis** of SD payroll get completely back to normal after one of the best planned April Fool jokes in history.

Pat regularly deals in legal papers served on Convair people involved in litigation and the one that came to her desk April 1 appeared more than authentic. Signatures included almost everyone of importance except the U. S. Attorney General. And the "culprit" was one **Pat Travis.**

"There mmmmmust be ssssome mmmmistake!" she trembled.

She had the Bank of America on the telephone before the "April Fool chorus" sang out.

* * *

A Convair pioneer (he's due a 25-year pin this fall) got a surprise birthday party late last week in Dept. 101 at San Diego.

He is **Stan Budzynski** and it was his 75th birthday!

New B-36 Movie in Advance Showings

Advance showings of a new Paramount picture featuring the B-36, "Strategic Air Command," were part of a celebration of the ninth anniversary of SAC in Omaha late last month in which both Paramount and the Air Force Association took part.

Guests included Gen. Curtis LeMay and film stars June Allyson, Jim Stewart and Frank Lovejoy. The picture includes some magnificent footage of the B-36 in action. Many of the scenes were taken at Carswell AFB near the Convair FW plant and Hollywood sets were based on authentic equipment from FW.

'Photo Radio' Topic For Club Meeting

Sidney Burnette will discuss "Trans Pacific Photo Radio" at the April 21 meeting of the Convair SD Radio Club to be held at radio headquarters on Harbor Drive.

"We will also discuss plans for our field day operation and the American Radio Relay League convention to be held in San Diego this fall," said Jesse Baker, CRA commissioner.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, Dept. 115, second shift representative, AT 1-4612 after 10:30 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays each month, 7 to 9:30 p.m. Field and broadhead shoot Sunday, April 24, 9:30 a.m., Gold Gulch. Instruction Saturdays 10 to 12 noon, Laurel Street range. Equipment available.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Conference Bldg., Balboa Park.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League plays Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays, 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile Clases: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m., for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee service, either plant, to be eligible for cash prizes and button awards. 1955 rules also available at employee service desks.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 7:30 p.m., San Diego Floral Association Bldg., Balboa Park. Spring rose show April 24.

GOLF—Russ Osgood, commisioner, ext. 1635, Plant 1. Sweepstakes Agua Caliente Country Club, April 23-24.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 538 or 501, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month at Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commisioners.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (April 21) 8 p.m., Radio Club headquarters, Harbor Drive. Guest speaker, Mr. Sidney Burnette, W6KSI.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners 9 a.m.; intermediate, 12 noon; advanced 1 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658. Gymkana show, English and Western, May 8.

ROCKHOUNDS—Jack Benedict, ext. 395, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Club meets second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G, 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at Employee Service, both plants.

SKIN DIVING—Bob Hutson, commissioner, ext. 578, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Museum of Natural History, Balboa Park. Next meeting April 26.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings.

SOFTBALL—Tony Berardini, ext. 310, Gil Crosthwaite, ext. 273, Plant 1, commissioners. Teams now being organized.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—Industrial Recreation swim night for Convair employees and their families, Saturday, May 7, Mission Beach Plunge. Tickets available at Employee Service, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Players interested in scheduling ladder challenge matches contact Dutton for further information.

TROPICAL FISH—Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Contact Pete Beyrer, ext. 1245, Plant 1, for further information.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1. Girls' team now being organized. Register with Martha Woodberry, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245, Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, April 22: PRINCE WHO WAS A THIEF (color), Tony Curtis and Piper Laurie.

Friday, April 29: KID FROM TEXAS (color), Audie Murphy and Gale Storm.

★ ★ ★ ★ ★ ★

Bargain rate movies each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, April 26: HIS MAJESTY O'KEEFE, Burt Lancaster and Joan Rice. FORBIDDEN, Tony Curtis and Joan Dru.

TUESDAY, May 3: STORY OF THREE LOVES, Leslie Caron, Pier Angeli, Farley Granger, James Mason. MOONLIGHTER, Barbara Stanwyck.

Archers Will Gather on Sunday For Special All-Day Shoot

Convair archers at San Diego will meet next Sunday, April 24, for a special all-day shoot at Gold Gulch, Balboa Park, Harry Bing, CRA commissioner has announced.

Regulation field targets will be used for the morning shoot which starts at 9:30. The match will be conducted on a handicap basis. The CRA chuck wagon will be on hand to serve hamburgers during the early lunch period, Bing said.

The afternoon shoot will be a 14-target broadhead affair, featuring simulated animal targets. Winners of this shoot will be determined on a skill basis. Prizes will be awarded top marksmen in each session.

Bing also announced appointment of Clyde Belden, Dept. 115, as second shift archery representative. He may be reached after 10:30 mornings at his home, AT 1-4612.

SMITH NEW MEMBER OF SMOG COMMITTEE

H. A. Smith, chief plant engineer at Convair SD, has been named a member of the Citizens Air Pollution Control Committee by Frank Gibson, chairman of the board of supervisors, San Diego County.

Team Manager Spots Filled in Plant League

Softball CRA Commissioner Tony Berardini this week reported a big turnout of plant league managers, sufficient to fill the posts for the 20-team loop which will start regular play late next month.

Ground rules were quickly decided upon and a meeting was called for Thursday (tomorrow) at 5 p.m. in CRA Clubhouse at San Diego at which roster blanks will be passed out.

Berardini indicated that every effort is being made to assure well balanced squads, with no team "hand picked" and each one representing a department, or a combination of two or three departments.

Meanwhile, workouts already are underway and Berardini advised managers to contact Pete Beyrer of CRA at ext. 1245, Plant 1, for diamonds.

Rockhounds to Head For Himalaya Mines On Field Expedition

A caravan of Convair SD rockhounds will journey to the Himalaya mines near Mesa Grande next Sunday, April 24, in search of tourmaline, quartz and lepidalite, Dan Whorton, CRA commissioner announced this week.

The group will rendezvous at the service station in Santa Ysabel, departing from there promptly at 8:30 a.m. Ralph Phillippi, Dept. 6, field trip chairman is handling arrangements.

Whorton reminded those planning to attend to carry plenty of water, a small pick and shovel and one-quarter inch mesh screen.

Additional information may be obtained from Whorton, ext. 426 or Hal Leppert, ext. 1634, both Plant 1.

TOP DRIVERS—Over a chalk and barrier marked course at Miramar Auxiliary air strip, Convair sports car clubbers held their first Gymkhana last month. It was a contest of driving skill against time, and 30 cars took part. Standing, left to right, G. J. Kincaid, who placed first; Roger Jett, who was second, and R. G. Camp Jr., third. Winners in women's division were Lee Rosacker, left, and Audrey Hare, first and second.

Kemper Stars Again In Gun Club Shoot

Despite a layoff of several months, Frank Kemper broke 25 straight "birds" to cop the trap event of Convair Gun Club.

Kemper also spotted his competitors a handicap distance of 21 yards and broke 24 to win the handicap bracket.

Other winners at the April 3 shoot at Valley Gun Club included rifle, Class A, Herold Schnaubelt; Class B, Joe Miller; women's trap, Emma Lee Swank; skeet, Blas Vargas.

CONVENTION PLANS — Convair men who will take lead in coming model rail convention, left to right: Woody Greer, Ed Merhlust, Ken Pauley, George French, Karl Busch, George Oberlin, George Walsh, Bill Lavis.

CRA Model Rail Fans to Help Welcome Large Delegation of Visitors for Convention

Three San Diego model railroad groups, which include many CRA members, will play host to an expected 400 model enthusiasts April 29, 30 and May 1 when the Pacific Coast Region, National Model Railroad Association, holds its annual convention.

Karl Busch of Dept. 12 at Convair SD is convention committee chairman.

"Model railroaders from as far away as Utah, Nevada and northern California have indicated they will take part in the three-day affair," Busch said.

Contests will be staged in various gauges for construction, power and structures of cars as well as for operating efficiency of units. Prizes will be awarded in a number of events.

Climaxing the affair will be the annual banquet at the House of Hospitality, Balboa Park, April 30, followed by a business meeting and election of officers May 1.

Annual Father-Son Fishing Trip Nears

Reservations for CRA's annual father-son deep sea fishing trip June 4 are now being accepted at Convair SD by Herb Hawthorn, ext. 1486 or Dale Marks, ext. 200, both at Plant 1.

The 1954 event was such a success that tentative plans call for chartering four boats for the 1955 event.

Rosacker Elected By Sports Car Club

F. C. Rosacker was named president of the Convair SD Sports Car Club at the group's April meeting. W. Gebhardt was named vice-president, F. M. Boley, secretary, and R. W. Jett, treasurer. The new officers will serve six months.

Sports

High Scores Posted as Convair Keglers Roll In Annual SD Tourney

Two remarkable scores, probably the highest ever rolled in a CRA bowling tournament at Convair SD, were registered over the past weekend as 295 keglers launched the 14th annual CRA tournament.

Action continues this weekend (April 23-24) at Pacific Recreation with champions yet to be determined in a number of events.

Al Reiter had the old heads talking as he turned in a rousing 683 scratch series to take a lead in the singles event with a handicap total of 735, one of the highest scores ever posted in the annual affair.

The doubles team of Giamanco and Wright also approached the all-time status with their 1,272 scratch doubles score for a handicap total of 1,336 pins.

Wright also took the lead in the all-events for the first two days of bowling with a total of 1,846 scratch and 1,948 handicap. Reiter has a 1,939 handicap total.

Experimental walked away with team honors in an event that was finished during the opening days. Otto Peterhansel, Joe Minnitti, John Adams, Al Ong and Rudy Keisel posted a team total of 3,086 pins.

Bob Beezley moved into second place in the singles event after two days with a 685 handicap total.

E. Love and J. Dall are now in second in the doubles division with a handicap total of 1,261 pins.

Action will resume Saturday with champions yet to be determined in all-events, singles and doubles for men as well as the women's events.

★ ★ ★

Summer Keg League Plans Take Shape; Three to Organize

Plans for summer league bowling were being made this week at Convair SD by three leagues that will compose the bulk of action during the coming months.

An organizational meeting for a mixed handicap loop for Wednesday action will be held at Pacific Recreation at 6:30 p.m. April 26.

A Friday mixed handicap loop will meet at 6:30 p.m. May 7 at Tower Bowl.

A new trio loop for swing shifters will hold an organizational meeting at 1:30 a.m. April 27 at Tower Bowl.

Keglers interested in any of these leagues are invited to attend the organizational meetings.

Convair Pistol Club Will Host Teams From Industrial Firms

Convair Pistol Club will host pistol teams from local industrial firms in a .22 Police Course team competition at 9 a.m. Sunday (April 24) at the San Diego Police Pistol Range.

"Any Convair marksman with an established Convair score record is eligible to shoot," said Commissioner Ash Bishop. "We would like to field as many teams as possible."

Tom Little shot a score of 295 of a possible 300 to cop the April 10 shoot's master class. Roy Groth finished second and Ash Bishop third.

Expert honors went to George Clayton with a 282 score, while Jim Baxter and Carl Hornberg finished second and third respectively.

Dick Zigler, Dale Young and C. L. Smith finished in that order in the sharpshooter class with E. T. Johnson and Mrs. Dale Young placing one-two in the marksmen class.

Roy Groth took first in the .22 short National course with second going to Jim Halfacre.

* * *

Convair SD marksmen gave a good account of themselves late last month when they placed second in the National Indoor Championship rifle matches in Hollywood.

Team members included Gene Horstman, team captain; Don Grundstrom, Herold Schnaubelt, Bill Isbell, Harold Hampy and Bob Saether.

Lens Club Planning Quarterly Contest

Two competitive events are on tap for the April 25 meeting of the Convair SD Camera Club at the Photo Arts Building, Balboa Park, beginning at 7:30 p.m.

First will be the club's quarterly contest for both color slides and black and white prints. Second will be judging of pictures shot at the March 28 event staged at the La Mesan Trailer Court.

Register Your Fish!

Anglers making early season fishing trips were reminded this week to register their larger catches with CRA for monthly cash prizes and button awards. Complete fishing contest rules are available at employee service desks at both plants.

FAMILY NIGHT

Convair SD Management Club will feature a "Father and Child" night for its May 20 meeting, slated for Mission Beach amusement center.

Viola Takes Lead With First Yellow

Viola Davidson, Convair SD's top woman angler, did it again this year when she managed to land one of the two fish caught on opening day of the 1955 Yellowtail Derby at San Diego.

Mrs. Davidson boated a 14 pound, eight ounce yellow which won a television set for her.

SD Tennis Players Sought for 'Ladder'

Tennis players at Convair SD interested in CRA tennis events who have not been active in the past were asked to contact Commissioner Chet Dutton, ext. 1287, Plant 1, this week.

"We are trying to set up a ladder system to determine rankings and positions for tennis players who have not taken part up until this time," Dutton said.

SPOTLIGHT ON CRA

An article by Jerry Schultz, CRA Gun Club commissioner at SD, appears in the February issue of Industrial Sports and Recreation magazine. Titled "Targets Replace Game for Coast Marksmen," the article deals with the first San Diego Industrial Gun Shoot which CRA helped sponsor last June.

CATCH — SD Dept. 6's Jim Moore, shown at La Paz on recent Delta Diver expedition, with his catch, a 25-pound Cabrillo and a 15-pound Jack Cravelle which were speared under water. Moore recently beached a 56-pound halibut with a single shaft, a near coast record.

Delta Divers To See Slides

CRA Delta Divers have a new meeting place, the Natural History Museum in Balboa Park, where the next meeting will be held at 7:30 p.m. April 26.

Commissioner Bob Hutson said color slides of a recent La Paz expedition, narrated by Jim Moore and Jean Malthaner, will feature the program. Also, ratification of constitution and by-laws are on the agenda.

* * *

A second Aqua-Lung class has successfully completed the pool and ocean courses and a new class will start April 28 for eligible, active members. Contact Tom Simpson, HU 8-5923 for registration and information.

Coin Club to Join in National Exhibit

Convair SD Coin Club will join with the San Diego Numismatic Society in displaying over 100 exhibits of rare coins in the city and county during National Coin Week in San Diego, April 23 to 29.

"Coin Sunday" will be observed April 24 in the Cottages of Nations, Balboa Park, with suitable displays in each cottage plus a large display on the lawn. Theme of the celebration will be "Coins of the Americas," featuring coins of the 21 republics of the Western Hemisphere.

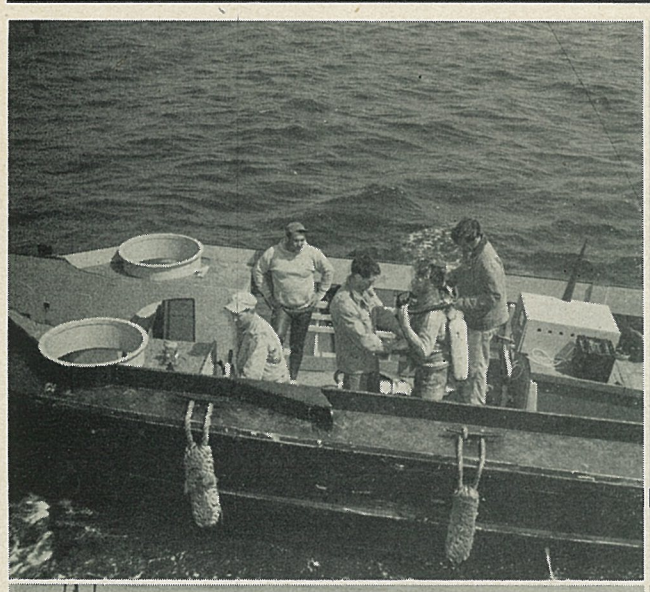
More Talent Needed For City Ball Play

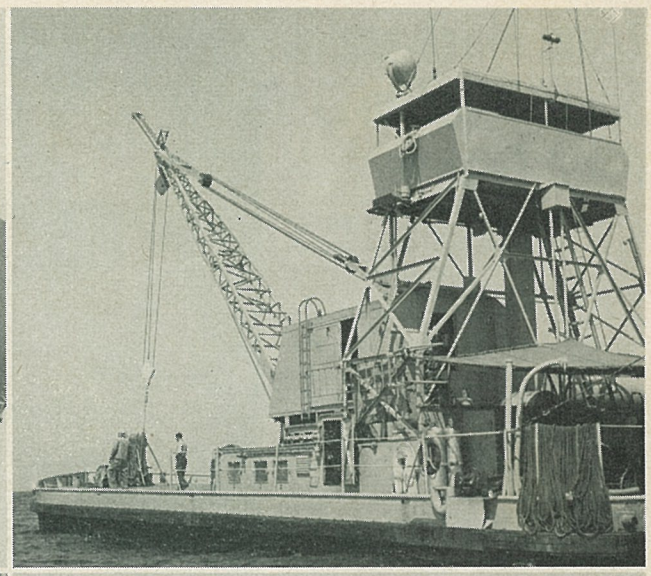
Convair SD's representatives in city softball action still need talented players to fill out a team roster. Players may contact Commissioner Gil Crosthwaite, ext. 273 or 1670, Plant 1.

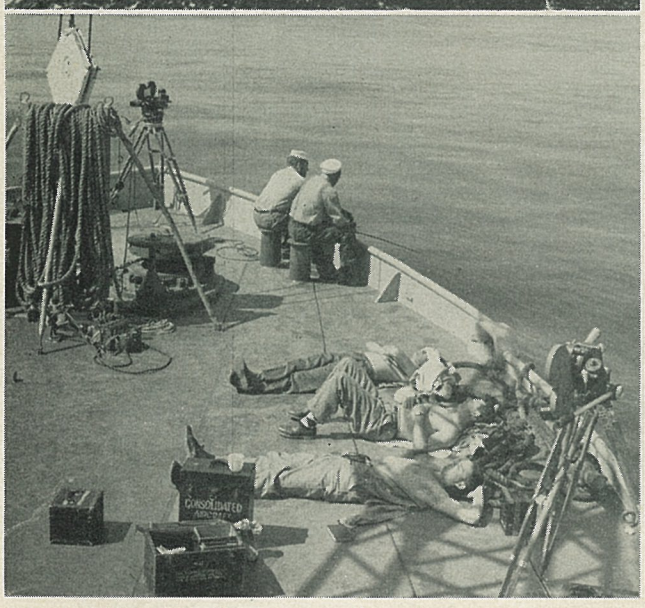
NAF GOLFERS TO PLAY JUNE 4-5

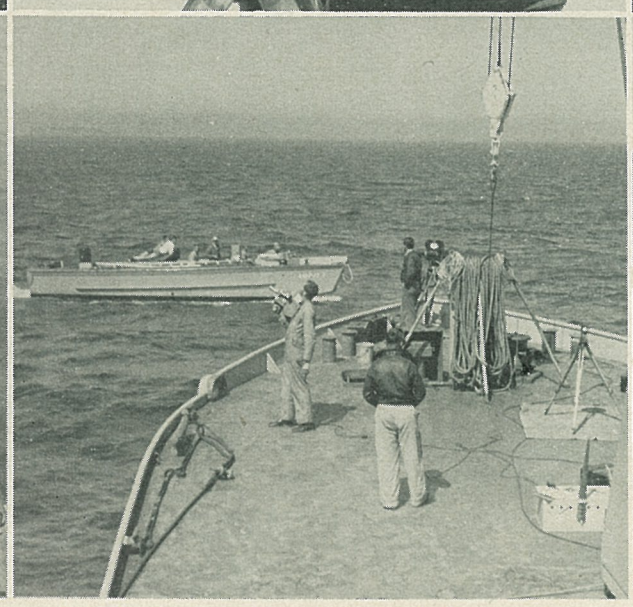
June 4 and 5 have been chosen as dates for the annual NAF regional golf tournament at San Diego. On the arrangements committee are Maynard Bjorstrom, Mike Alianelli and Gerry Cox.

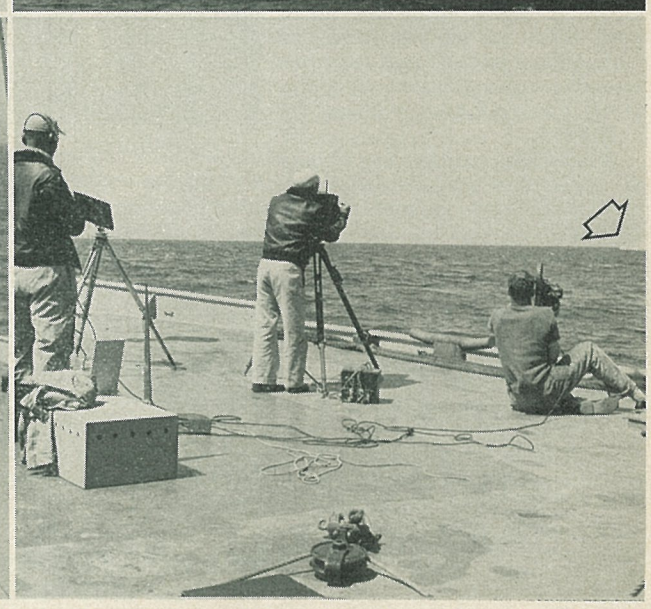
"Do we have to take these old bags with us?"











SEA DUTY—Surface scenes show how "fleet" operates during Sea-Dart landing tests off San Diego. At top left, Convair and Navy frogmen suit up in Navy landing craft. Top center, R. E. Hudson of experimental flight checks instruments for data to be relayed to pilots. Top right is Navy crane, largest vessel in group. Lower left, two sailors get in a bit of fishing while waiting for action while Convair SD's Mike Murphy, Byron Skalman and Bob Copley "sack out." Lower right, Hudson, Dan Otto and Murphy are in action as Sea-Dart takes off. Arrow points to spray. Test routine lasts about 30 minutes.

Navy-Convair 'Fleet' Accompanies Sea-Darts on Open Ocean Tests

Convair Sea-Darts last month resumed open sea landing tests at Convair San Diego.

The test site is off the Silver Strand a few miles south of Hotel del Coronado. Operations are a joint effort of Navy and Convair, with the former supplying several surface craft and personnel to man them. The actual tests are set up by San Diego's experimental flight headed by E. D. Shannon. E. E. Whigham directs them at the scene from his "office" in the cockpit of a Navy AD-5 that flies chase on the Sea-Darts.

"We have quite a 'fleet' taking part," Whigham explained. "Included are a Navy self-powered crane, the Mary Ann, the Convair hydro group's speedboat, two Navy landing craft and a Navy helicopter."

All are in communication with each other as well as the Convair radio station at Lindbergh Field. The AD-5 is in overall control, however. The surface craft carry photographers to record the landings, various engineers and specialists, Navy and Convair "frogmen" and mechanics for use if needed.

The "fleet" sets out in early morning hours and takes frequent wind and swell readings at the test site to be radioed to the pilots. Shortly before the scheduled flight time, the AD-5 flies over the area for a last minute check and positions the surface craft in a line to form one side of a "runway." Smoke flares are ignited as extra wind gauges for the pilots.

Returning to the Convair ramp area, the AD-5 then trails the Sea-Darts as they take off and approach the site for landings. The AD-5 circles overhead when tests are made on the water.

"We might schedule one airplane for a test in a single day or maybe two," Whigham said. "In either case the procedure is the same, with the normal test routine lasting usually less than 30 minutes."

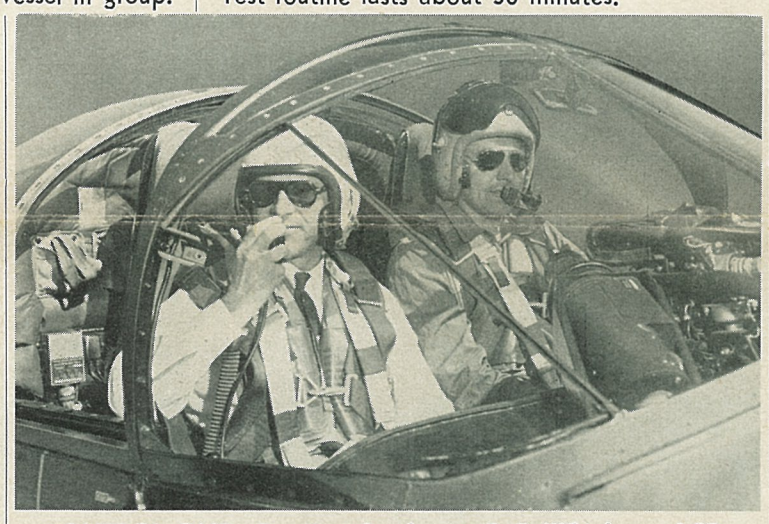
C-131Bs to Get Power Pods

The first externally mounted gas-turbine units to supply electrical power for aircraft will be installed on Air Force C-131B electronic test-bed planes being built by Convair at San Diego, Frank W. Fink, chief engineer, reported early this month.

Two Solar T-41 gas turbine units, mounted under the wing between the engines, in special plastic and metal pods, drive generators for a.c. or d.c. current. Total output is sufficient to supply electrical needs for 60 average homes, Fink said.

The portable units were designed for quick installation whenever operations require extra power for operating test equipment. C-131Bs will be used by the Air Force and firms under contract to the Air Force in the development of special electronic equipment. Fink said power requirements often exceed the capacity of a normal internal system. With the extra units and its roomy cabin, the C-131B can be used to develop unusually large electronic systems, Fink stated.

Mounted on pylons under each wing the pods will be attached to the C-131B by standard Air Force Mark VIII bomb shackles, with quick disconnect fittings for fuel and power.



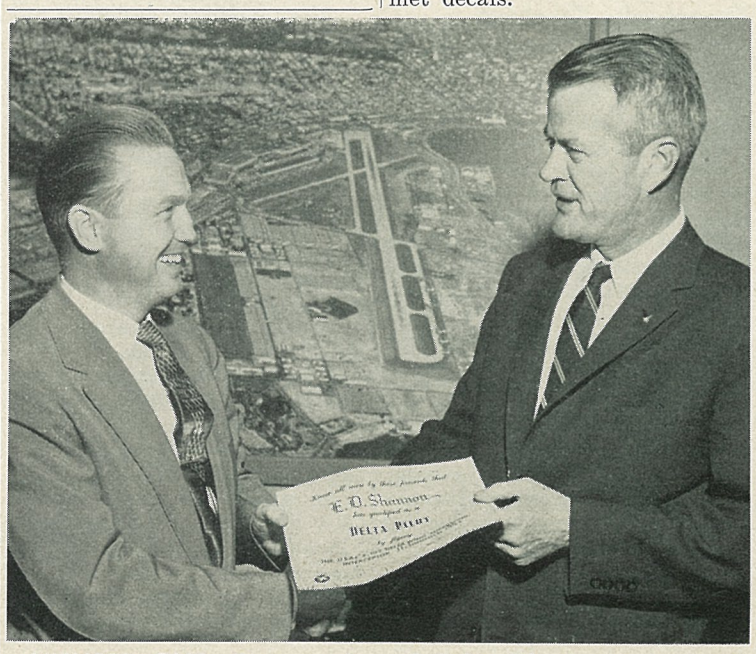
CONTROL ONE—Running the show is E. E. Whigham of SD experimental flight, shown in cockpit of AD-5 with Pilot John Kneble.

Convair and Air Force Men Qualify For Membership in 'Delta Pilots'

A unique and exclusive organization was formed this month at Convair San Diego to honor men who have flown Convair-built delta wing aircraft.

It's known simply as "Delta Pilots."

Over 30 pilots have qualified for membership and are being presented packets by Convair containing a lapel pin, certificate, an identification card and flight helmet decals.



NUMBER ONE—First member of Delta Pilots' organization is E. D. Shannon, right, head of experimental flight at SD, shown receiving his membership scroll from B. F. Coggan, SD manager.

B. F. Coggan, manager at San Diego, made the first presentations early this month when he honored Convair test pilots E. D. (Sam) Shannon and R. L. Johnson.

Shannon, manager of experimental flight, was the world's first delta wing pilot, having first flown the Convair XF-92A, later the Navy's delta wing XF2Y-1, "Sea-Dart" and still later the F-102. Johnson was the first pilot to fly the F-102.

Lapel pins presented Shannon, Johnson and Maj. Gen. Albert W. Boyd, commanding officer of the Wright Air Development Command, contained small stones. Gen. Boyd was the first Air Force pilot to fly the F-102.

Other Convair pilots to receive membership in the "Delta Pilots" include: J. M. Fitzpatrick, M. C. Terry, J. F. Coleman, R. W. Warden, John Kneble, B. J. Long, Bill Martin and A. B. Treffer. Capt. Don Butterfield of the Convair Air Force plant representative office, is also a qualified member.

Canadair Does Big Business in Spares

Canadair Ltd. of Montreal (sister concern to Convair and a member of the General Dynamics Corporation group) during 1954 shipped more than $27 million worth of spare parts for aircraft to more than 75 customers in 50 different countries.

Horne Will Keynote Annual 'Work Wiser' Conference in L.A.

Convair Pomona Manager Charles F. Horne is scheduled to be the keynote speaker at the seventh annual "Work Wiser" conference of the National Association of Foremen Saturday (April 23) on the University of Southern California campus.

Subject of Horne's address will be "What top management expects of middle and first line management."

Convair Pomona Management Club members with reservations for the conference should pick up their tickets at Founders Hall at 34th St. and University Ave., on the campus between 8 and 9 a.m. Saturday, President Var Saunders reminded. The conference will offer panels on communications, cost control, developing executive ability, and human relations. Further information may be obtained by contacting Saunders at ext. 3119.

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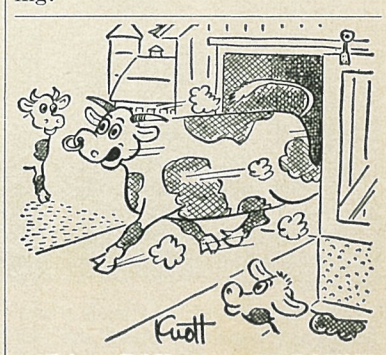
SD Management Men To Attend Conference

About 40 members of the Convair SD Management Club will be in Los Angeles Saturday (April 23) for the seventh annual regional "Work Wiser Conference" of the National Association of Foremen.

The one-day affair will be held on the campus of the University of Southern California. The SD delegation, including club officers, members of the Board of Control and delegates, will travel by chartered bus. Speakers will include D. C. Wilkens Jr., SD manager of industrial relations, and J. B. Henn, of SD industrial accounting.



"It's a BOY . . . a 70 POUND BOY!"

Box Score

Number of eye injury cases requiring a doctor's attention:

	SD	FW	Pom.
January	2	9	2
February	0	9	1
March	3	2	1
April	0	10	3

Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere

Convairiety

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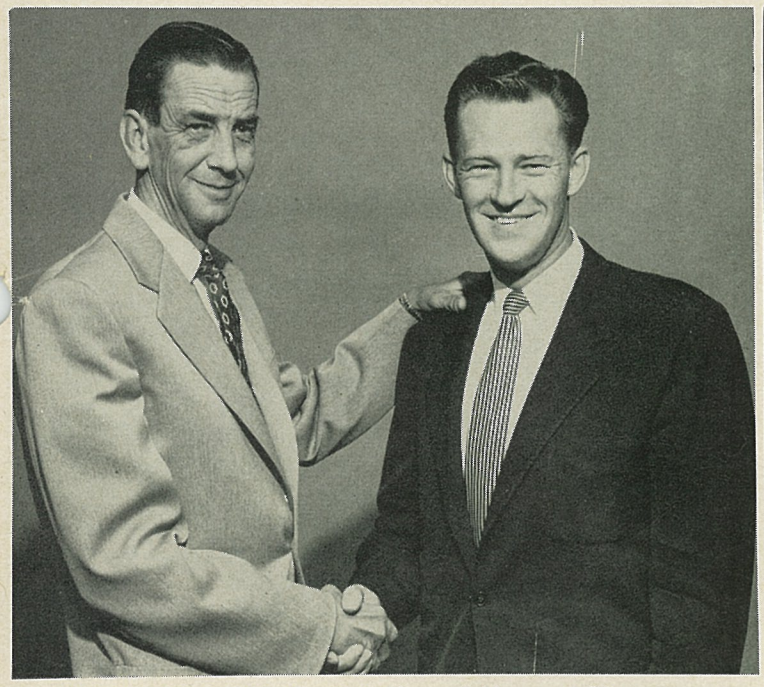


FRIENDLY WARRIORS—Bob Elo and Maynard Bjorstrom, competing for office as president of Convair SD Management Club, square off in friendly fashion.

It's 'Elo vs Bjorstrom' In SD Election Race

Convair San Diego Management Club members took time this month to examine the "hats" of 39 political candidates tossed into the ring April 20, a month ahead of the club's annual election of officers.

Heading the list are presidential aspirants Bob Elo, Dept. 52, and Maynard Bjorstrom, Dept. 350.

Balloting will take place this month with the new officers taking over the reins of the club in June.

The political shenanigans got off to a flying start at the April 20 meeting when the nominating committee, headed by W. M. Holland, presented its recommendations for officers. Six nominations were made from the floor bringing the total number of office seekers to 39.

Prospects for a slap bang two party battle began to take shape as early as the April meeting when party members staged noisy demonstrations as their candidates were presented for consideration.

Elo, chairman of the Mug of the Month committee last year, heads a group known as the "Members Party." The party ticket was outlined as: a Management Club for and by the members; enough old blood for experience with a wealth of new blood in office; a club devoted to its members with each member having an opportunity to voice his opinion.

Bjorstrom, first vice president of the club last year, and his group are recognized as "Your Team." They outline their objectives as: a club representing all members with the type of programs to satisfy all; active support and sponsorship of youth groups; officers who will recognize the dignity of the club and who will strive to carry on the efforts of previous officers and board members.

The nominating committee this year was composed of Holland, (chairman), J. M. Rogers, M. C. Val Dez, Paul Benner, Harold Dixon, H. H. Aiman, and C. L. Pogerel.

Candidates for the office of first vice president are: P. D. Ferrara, W. O. Zook, R. H. Lange.

For second vice president: R. S. Cunningham, E. H. Damarus, J. I. Luckett, J. P. Strachan*.

For recording secretary: F. H. Nipper, M. L. Sweeney.

(Continued on Page 2)

Annual 'Ladies Night' May 20 for Pomona

The annual "ladies night" of the Convair Pomona Management Club is scheduled for Friday evening, May 20, at the Rainbow Gardens in Pomona.

"This annual get-together is intended to provide an opportunity for management wives to become acquainted with one another and to get a mild exposure to the inner workings of the Management Club," K. L. McLellan, general chairman, said. "For the latter reason a very short business meeting will be held."

A social, or "get acquainted" hour will start at 6:30 p.m. followed by dinner at 7:30. The business meeting will start at 9, with dancing beginning promptly at 9:30 p.m. The event is being sponsored by the engineering department.

"Formal invitations will be mailed to the homes of all members this weekend, and the usual reminders will be mailed via plant mail," McLellan said.

Bond Drive Goal: Boost Number of Purchasers And Stress $100 Sales

Convair's "Five for Fifteen" slogan will be talked up again next week in all Convair plants and offices as employees go into their annual drive to boost the sale of U. S. Savings Bonds.

(Five for Fifteen is an abbreviated reminder that payroll deductions of $5 per week will buy a $100 denomination bond in 15 weeks.)

Solicitation will start Monday, May 9 at all Convair plants, and continue through May 17. During that time all those not now participating in regular purchases of U. S. Savings Bonds through payroll deduction will be approached.

Purpose of the drive is threefold:

To sign up new bond buyers; to encourage bond owners on the idea of holding them; and to sell more $100 bonds, as compared to those of smaller amounts.

Pomona continues to lead all Convair plants in percentage of employees regularly buying bonds by payroll deduction. At that division bond buyers total 74½ per cent of all employees.

Currently, slightly more than 60 per cent are buying bonds regularly at Fort Worth while at San Diego the figure is somewhere in the neighborhood of 55 per cent.

Goal throughout Convair is to hit 75 per cent or better and to substantially increase the number of $100 bonds being purchased.

Convair is encouraging the purchase of the larger $100 bonds at the request of the U. S. Treasury.

"This is to cut down on the number of bonds that have to be issued," SD Manager B. F. Coggan said. "This reduces clerical work both at the time they're issued and at the time they're redeemed.

"By cutting down on clerical work, we help the government cut expenses. And that's of interest to each of us as a U. S. taxpayer."

Merger Plan Involves Stromberg-Carlson Co.

Directors of General Dynamics Corporation and of Stromberg-Carlson Company last month approved a proposed merger and share owners will vote on the plan June 28.

John Jay Hopkins, president and chairman of General Dynamics, said that the proposal called for Stromberg-Carlson common shares to be exchanged share-for-share for General Dynamics common stock.

No changes in the management or among the officers of either firm are contemplated, Hopkins reported. Stromberg-Carlson, he added, will become the Stromberg-Carlson Division of General Dynamics, joining the other divisions which include Convair, Electric Boat, Electro Dynamic, General Atomic, and the Canadian subsidiary, Canadair Limited.

Stromberg-Carlson for more than 60 years has been a leader in the production of communications and electronics equipment at Rochester, New York. Today it makes telephone switchboard equipment, instruments and industrial products; television and radio receivers; high fidelity phonographs; sound equipment; and electronic and communications products for the armed forces.

Stromberg-Carlson currently employs 5,200 and General Dynamics about 55,000.

Hopkins called the merger a major move by General Dynamics to broaden its base of operations in the electronic field, which would provide a logical supplement to his firm's business. Hopkins paid tribute to Robert C. Tait, president of Stromberg-Carlson since 1949, and to the company's progress under his leadership.

"Stromberg-Carlson," Hopkins said, "has recorded very impressive gains in sales, earnings after taxes, working capital and net worth in the six years since Mr. Tait took over the helm at Rochester."

Vint Maintence Supt. as Sharp New Asst. Chief Plant Engineer

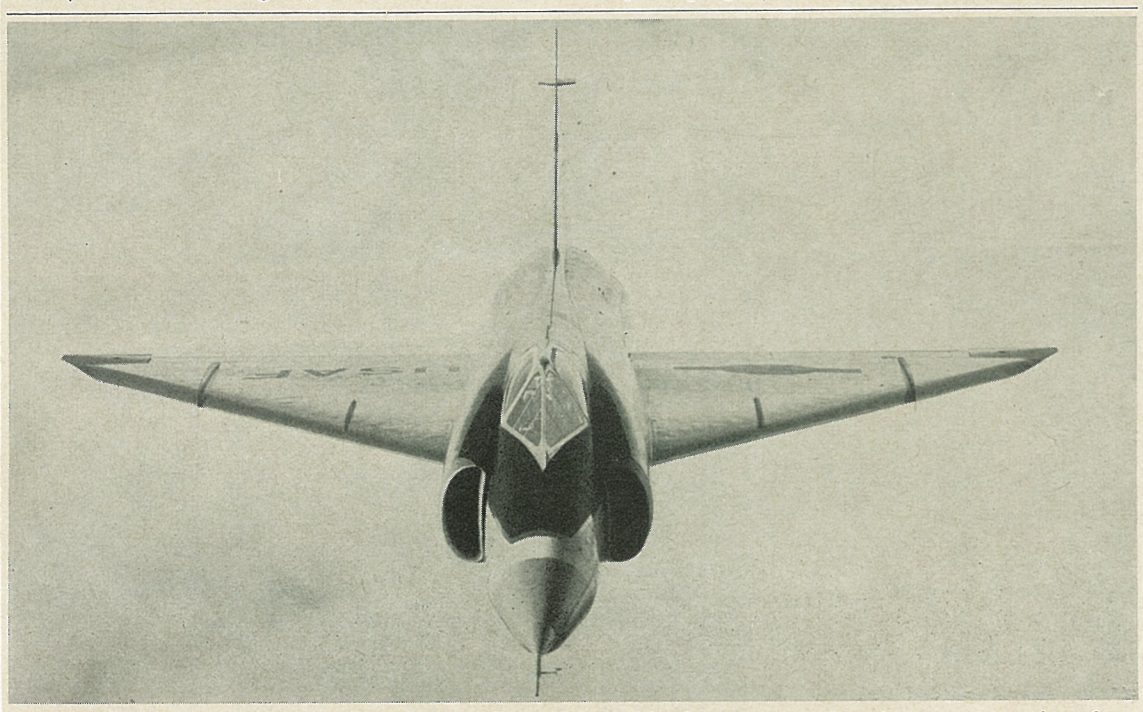
Appointment of a new assistant chief plant engineer and a superintendent of plant maintenance was announced recently at Convair San Diego by A. W. Morgan, assistant manager—operations.

Vern Sharp, veteran Convair maintenance man, is the new assistant chief plant engineer, reporting to H. A. Smith, chief plant engineer. J. W. Vint, formerly assistant, is the new maintenance superintendent.

Sharp joined Convair in 1936 when there were only 35 people in maintenance. He has been in the department ever since, working up through various jobs to that of superintendent of maintenance in 1952.

Vint came to work at Convair SD as a carpenter in 1940. He rose through the years from assistant foreman, foreman and general foreman and in 1954 to assistant superintendent.

Sharp was born in Washoe, Mont. and educated in San Diego, while Vint spent most of his earlier life in Kansas.



"LOAFING"—F-102A was throttled back to (for it) "loafing" speed for this picture, taken from tail of B-25 which was going "all out." For more pictures see page 8.

P. H. Simon Named Budgets Manager

Appointment of P. H. Simon as manager of budgets and cost analysis department was announced at Convair Pomona last month by T. L. McPherson, division controller.

At the same time, R. H. Stevens was appointed project budget administrator, McPherson stated.

Before joining Convair in March as assistant to the controller, Simon served for several years as controller and assistant treasurer of the Security Engineering Corporation in Whittier. Prior to that he was engaged in cost control work for Ford Motor Co., U. S. Steel, and other organizations.

Hopkins, McNarney Reelected to Office

John Jay Hopkins was re-elected chairman of the board and president of General Dynamics Corporation late last month at the annual meeting.

Among other directors re-elected were Joseph T. McNarney, Convair president and General Dynamics senior vice president-Convair Division; J. V. Naish, Convair vice president; Robert B. Watts, Convair vice president and general counsel; LaMotte T. Cohu and I. M. Laddon, former Convair executives.

★ ★ Log Book Entries ★ ★

Service Emblems

SAN DIEGO

Service emblems due during the period May 1 through May 15:

Twenty-five year: Dept. 8-2, R. E. Oversmith.

Fifteen-year: Dept. 6, W. J. Butts. Dept. 22-1, F. L. Olson. Dept. 24-1, R. C. Emerson. Dept. 25, Dewey Rinks, J. W. Vint. Dept. 27-1, L. J. Francis. Dept. 28, A. N. Ennis, K. R. Lemley. Dept. 31, D. W. Evers, E. M. Moore, W. E. Porter.

Dept. 55, V. T. Winsor. Dept. 70, L. F. Cescolini. Dept. 115, L. G. Bovee. Dept. 300, R. W. Avila. Dept. 303-2, A. W. Kellogg. Dept. 403, W. B. Wittler. Dept. 410, R. C. Fildes, L. V. Wisniew.

Ten-year: Dept. 6, G. D. Lindeneau. Dept. 27-2, J. R. Donovan. Dept. 31, C. V. Fleisher. Dept. 37, O. J. Sonsteng. Dept. 202, R. R. Lee. Dept. 300, W. L. Miller. Dept. 522, Mary K. Cooper, C. C. Mitchell, Marion M. Overdeer, Lora M. Young. Dept. 524-3, G. B. Grenolds.

Five-year: Dept. 4, Ruth A. Mantey. Dept. 6, R. L. Brockway, F. R. Demassa, R. J. Franc, B. H. Gee, R. B. Hayes, R. T. Larson, Virginia A. Putney, Eula C. Stuart, A. F. Wollgast.

Dept. 9-6, Gloria L. Prince. Dept. 11-2, V. T. Broach. Dept. 12, H. A. Daniel. Dept. 14-1, G. F. Grant. Dept. 22-1, W. A. Batt. Dept. 25, J. E. Hittle, William Jurney, C. J. Kassmann, J. A. Minahan, G. H. Moen, A. D. Mounger, B. A. Rusk, D. R. Sperandio, S. V. Teehan, G. B. Watwood.

☆ ☆

At right is C. S. Halsey of Dept. 30 SD, who recently got 20-year pin. Below are 15-year men who recently received pins.

☆ ☆

Dept. 27, Lulu G. Ratcliffe, W. E. Sparks. Dept. 28, L. R. Bushyager, E. J. Moore, H. S. Raifsnider. Dept. 30, C. J. Agosto. Dept. 31, Carl Behrens, C. W. Grierson, J. H. Seedorf. Dept. 37, John Sebetic, E. G. Stoddard. Dept. 44, T. W. Smith. Dept. 55, F. F. Murasky, R. H. Pierce.

Dept. 60, D. C. Lakin. Dept. 70, Pearl W. Garrison, Betty C. Guthrie, L. A. Lopez Jr. Dept. 101, R. E. DeVroy. Dept. 102, W. A. Markowski, J. R. Waller. Dept. 115, H. C. Hagen. Dept. 210, Betty T. Brown.

Dept. 212, Annie R. Vinson. Dept. 215, Alexandria M. Fuller. Dept. 250, Bernadette E. McKeown. Dept. 258, N. V. Descoteau. Dept. 300, D. R. Davis, M. W. Ley. Dept. 302, M. R. Ubben. Dept. 303, V. C. Cardiel Jr., C. G. Woodward.

Dept. 350, C. L. Cozzens. Dept. 375, J. J. Bodrian, J. L. Gallagher, John Van Der Maaten. Dept. 406, R. L. Snodgrass, H. W. Steele. Dept. 410, R. A. Hamrick, T. E. Lauerman. Dept. 522, Lydie R. Hewitt, W. C. Plus, C. E. Quinton. Dept. 524, D. A. Irons. Dept. 528, R. C. Cook, Margaret W. Tracy.

POMONA

Fifteen-year: Dept. 6, R. B. Knoll. Dept. 31, D. B. Sturdivant.

Ten-year: Dept. 3-7, W. W. Hoyt. Dept. 31, G. H. Belanger Jr.

Five-year: Dept. 24-1, T. A. Byres. Dept. 25-2, John Halliday, F. J. Rooney.

S. C. Southerland, Dept. 6 — W. T. Grinsell Jr., Dept. 524-1 — E. R. Compton, Dept. 31 — H. E. Brisbin, Dept. 70 — H. W. Schuster, Dept. 204 — F. C. Pridgen, Dept. 31

F. E. Rockey, Dept. 110 — J. W. Hoerger, Dept. 22-2 — L. M. Guess, Dept. 22-1 — T. A. Bessey, Dept. 28-7 — H. H. Frein, Dept. 258 — G. V. Kobets, Dept. 31

M. J. Schipper, Dept. 258 — W. F. Jungk Jr., Dept. 6 — S. H. Stevens, Dept. 524-6 — A. J. Lux, Dept. 31 — E. W. Ridpath, Dept. 31 — H. E. Kobrich, Dept. 603-2

★ ★ ★ Awards ★ ★ ★

SAN DIEGO

Employee Suggestion awards totaled $1,525 for the weeks ending April 7 and April 14:

Dept. 1-71, General Office: E. Pierson, $5.

Dept. 4, Material: G. G. Bebb, $10; P. Critchett, $12.50; T. L. Edmonds, $27.75; J. B. Lund, $10; M. Maving, $12.50; C. T. Neff, $21.

Dept. 6, Engineering: P. W. Corbett, $5; W. R. Horning, $100 (partial payment).

Dept. 9, Controller's: E. J. Capossere, $5.

Dept. 10, Industrial Accounting: R. G. Macomber, $32.75.

Dept. 11, Contracts: K. C. Johnson, $10.

Dept. 14, Shipping & Material Stores: G. W. Jordan, $85; D. B. Wilson, $20.

Dept. 24, Tooling: L. D. Thompson, $5.

Dept. 25, Plant Engineering: C. Brush, $5; J. D. Burrows, $20; C. M. Crocker, $5; C. Hebb, $5; K. S. Kerch, $34.75; J. S. Negrette, $20; C. W. Smith, $5; H. F. Trantham, $5; R. E. Volle, $10; N. J. Waddington, $5.

Dept. 28, Inspection: H. M. Dorman, $10.

Dept. 31, Experimental: W. C. Agner, $10; L. K. Lee, $10; E. A. Meckstroth, $15; W. E. Ritter, two $5 awards.

Dept. 40, Model 8 Components: F. J. Phares, $25.

Dept. 52, 340 Wing: F. P. Lessle, $5.

Dept. 55, 340 Fuselage: F. K. Irwin, $10; M. M. Jardin, $10; M. D. Poe, $10.

Dept. 56, 340 Primary: R. D. House, $7.50; M. Pierce, $7.50.

Dept. 60, Model 8 Wing & Tail: F. W. Ditmar Jr., $10; V. L. Gebhart, $5; C. I. Lothian Jr., $10; W. F. Wittfoth, $5.

Dept. 70, Model 8 Fuselage: C. Acevedo, $37.25; E. L. Bernier, $10; N. B. Coffinbarger, $5; M. L. Cole, $10; E. P. Copeland, $5; L. W. Dean (two awards), $5 and $10; W. A. Lane, $33.50; R. Saling, $5; O. D. Sanders Jr., $25; R. Welk, $44.

Dept. 101, Sheet Metal: H. M. Woodard, $5.

Dept. 102, Sub-Assembly & Processing: E. L. Colliver, $15; W. J. Day, $10; J. D. Robinson, $5.

Dept. 201, Sheet Metal: E. J. Martin, $100 (partial payment); A. C. Varney, $25; O. T. Wares, $5.

Dept. 215, Machine Shop: W. L. Carr, $15.75; G. R. Eldridge, $54.25.

Dept. 258, Proofing Mock-Up: R. H. Bertrom, $46.25.

Dept. 350, Proofing Mock-Up: A. Cota-Robles, $10.

Dept. 406, Plaster Pattern Shop: B. M. Dickson, $95; H. Kesling, $38; J. L. Valverde, $5; W. R. Walker, $38.

Dept. 522, Manufacturing Control: A. L. Jones, $35; D. G. Stewart, $45.25; E. S. Sylvester, $35; C. Thornton, $10.

Dept. 524, Tooling: W. P. Espinosa, two $5 awards; S. H. Flanagan (two awards), $10 and $11.50.

Dept. 528, Inspection: J. H. Price, $5; V. S. Tuckerman, $10; H. V. Wilder, $10.

Dept. 603, Tool Manufacturing: L. A. Creque, $25; F. W. White, $15.

Births

SAN DIEGO

BOECKER—Daughter, Mary Arleen, 7 lbs. 4 oz., born April 21 to Mr. and Mrs. Fred E. Boecker, Dept. 25.

POMONA

CARIDI—Son, Mario Andrew, 7 lbs. 13 oz., born April 11 to Mr. and Mrs. Louis A. Caridi, Dept. 51.

GOSS—Son, Herold Richard, 7 lbs. 9½ oz., born Feb. 4 to Mr. and Mrs. Rex Goss, Dept. 3-1.

ROMERO—Son, Charles Joseph, 6 lbs. 2 oz., born April 6 to Mr. and Mrs. D. J. Romero, Dept. 6.

SMITH—Daughter, Debra Lynn, 7 lbs. 2 oz., born April 13 to Mr. and Mrs. P. E. Smith, Dept. 31.

STANLEY—Daughter, Elizabeth Jane, 7 lbs. 7 oz., born April 4 to Mr. and Mrs. George E. Stanley, Dept. 6.

TRAHAN—Daughter, Sandra Jean, 7 lbs. 2 oz., born April 9 to Mr. and Mrs. Leward J. Trahan, Dept. 22.

TROSTLE—Son, Larry Dean, 6 lbs. 15 oz., born April 3 to Mr. and Mrs. Robert D. Trostle, Dept. 8.

WOODS—Daughter, Donna Lynn, 8 lbs. 12 oz., born Mar. 26 to Mr. and Mrs. R. E. Woods, Dept. 4-1.

WOOLSEY—Son, Paul Duane, 8 lbs., born April 5 to Mr. and Mrs. William R. Woolsey, Dept. 4.

HOLLOMAN

CRAWFORD—Son, Lee Roy, 6 lbs. 9 oz., born April 11 to Mr. and Mrs. Ed Crawford.

TREFFER—Son, David Arthur, 8 lbs. 9 oz., born April 13 to Mr. and Mrs. A. B. Treffer.

Personals

SAN DIEGO

I would like to express gratitude to my many Convair friends, and the Con-Trib-Club, for their generosity and encouragement during Donald's recent illness. He is now home from the hospital.

Dona Dye, Dept. 6

POMONA

We would like to thank all our friends throughout Convair Pomona, especially Bldg. 2, for their generous remembrances in Herbert's recent illness. Your kindness will always be remembered.

Herbert and Dorothy Gibson

* * *

I would like to express my deep appreciation for the kindness and sympathy extended me by my fellow employees at the passing of my husband.

Katherine Kosbab, Dept. 72

* * *

Our sincere thanks to fellow employees in Mr. Bearss', Mr. Skillings', Mr. Olsen's, Dispatchers, Inspectors, and Engineering Group 232 for their help in our recent emergency.

Mr. and Mrs. F. C. McMahan
Dept. 31.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective April 18:

Dept. 6, Engineering: To group engineer, C. B. Ohman. To asst. foreman, J. R. Skimin.

Dept. 30, Model 8 Final Assembly: To asst. foreman, A. M. Goodwin.

Dept. 49, Plastics Shop: To foreman, R. F. Stull.

Dept. 300, Field Operations: To asst. foreman, R. Niski.

Dept. 406, Plaster Pattern Shop: To asst. foreman, A. P. Gonzalez.

POMONA

Dept. 24, Mfg. Engineering: To tool design supervisor, C. R. Baumhofer Jr. To T&O planning asst. supervisor, A. G. Bogaczyk.

Lost & Found

SAN DIEGO

LOST—Lady's yellow wool sweater woven label "LaMay" picked up from bench, southeast corner, Bldg. 7, Plant 1. Return to Esther LeMay, ext. 396, for substantial reward.

GIRLS TOUR SD

Girl Scouts Troop 1179 of Studio City, Calif., flew to San Diego recently for a tour of the Convair plant. The girls expect this fall to be designated a Flying Wing Troop, the first authorized for San Fernando Valley.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (if no answer, call 6278). Staff: James Combs, Jr., Elizabeth McCuistion.

PROUD PARENTS—Seated are Convair SD's three Management Club scholarship winners, Karen Dunlavey, William Johnson and Mary Bigler. Standing behind them, with every right to deep pride, are their parents: Mr. and Mrs. C. L. Dunlavey (Dept. 72), Mr. and Mrs. H. B. Johnson (Dept. 403), Mr. and Mrs. R. E. Bigler (Dept. 6).

It's 'Elo vs Bjorstrom' In SD Election Race

(Continued from Page 1)

For financial secretary: J. L. Terrien, E. E Hartzler.

For treasurer: L. F. Tubbs, E. Caldwell, F. Budz*.

For three year board member (three vacancies): D. E. Palumbo, D. R. Archibald, I. B. Jenkins, F. G. Crosthwaite, N. P. Pearson, N. W. Lamb, M. C. Val Dez, K. E. O'Neil*.

For two year board member (two vacancies): J. S. Blakeley, L. C. Stuckey, F. D. Povey*, F. F. Greggs*.

For one year board member (one vacancy): W. T. Lacey, A. J. Braidic, G. K. Cox, E. Mitchell, L. L. Tuttle, G. M. Loudermilk, F. J. Parker, W. C. Gish, G. O. Couchman, E. J. Huntsman, Don Frisby*.

*Nominated from the floor.

Five Perfect for Safety in March

With tool manufacturing departments (401, 403, 406, 407) leading the way, five functions at Convair SD posted perfect safety records in the monthly safety contest for March.

Supt. R. W. Watt and his tool manufacturing departments worked 241,230 manhours without an injury of any type.

Also perfect were fabrication departments (101, 102, 110, 115) at Plant 1 under Supt. F. E. Grossher, manufacturing control (22) at Plant 1 under T. F. McAleer, manufacturing control at Plant 2 (522) under V. Cernuto, and electronics and armament departments (250, 350, 355, 375) under Supt. F. B. Kemper.

Holloman Planning Spring Outing May 14

Convair employees at Holloman Air Force Base, New Mexico (Dept. 313), will hold their first spring outing May 14 when they stage a family picnic at White Sands National Monument.

Lunch will be in the form of a "potluck" affair with Jane Mattson serving as lunch coordinator. Fred Goodrich is handling entertainment, while John Martinez is in charge of refreshments.

Over 100 people are expected to take part in volley ball, softball, dancing and various games for the children.

MATERIAL SOCIETY

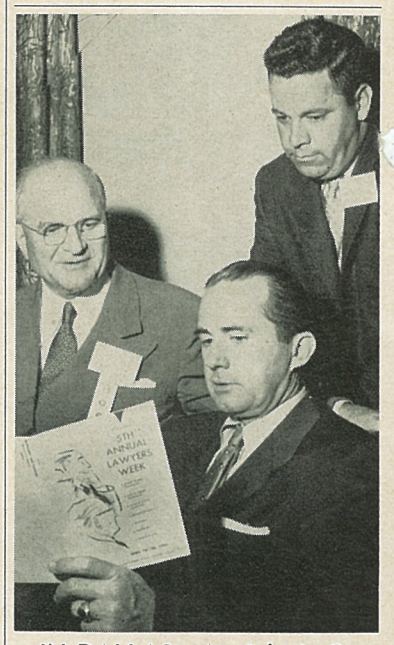
Convair employees interested in the American Material Handling Society, San Diego chapter, which meets the last Thursday of each month, were instructed to contact Charles Myers, BE 3-0948. Warren Gleason, Convair buyer, is a member of the executive committee.

Research Class for Reserve Officers Organized at SD

Organization of a "research and development course" at the Air Reserve Center at Fort Rosecrans, San Diego, for which eligible Convair SD men can qualify was announced recently.

Candidates must hold reserve military commissions, possess B. S. degrees and have held one of several technical military classifications. The course, scheduled to start in about a month, will last for 60 hours over a 24 week period and provide college credit. Students will receive military pay for part of the time involved. Field of study include materials geophysics, weapons, systems, technical management, etc.

Details may be obtained from Lud Shusterich of Dept. 410 SD, ext. 714. Shusterich, a reserve captain, recently was named Air Force Reserve spokesman for the aircraft industry at San Diego.



IN DALLAS—At right is Convair Vice President T. G. Lanphier Jr., shown with Gov. Allan Shivers of Texas, center, and Dean Robert G. Storey of Southern Methodist University. Lanphier was speaker there during "Lawyers Week" conferences.

Electronics Systems Overhauled

Convair Fort Worth electronics technicians can take considerable satisfaction and credit for the B-36's continuing performance as the Air Force's steadiest bombing platform.

For they have played an important role in scoring those bull's-eyes, long before the event.

The Convair contribution is a continuing one, through the SAM-SAC program at Fort Worth whereby B-36s return to the home plant from active Air Force service to be brought up-to-date on latest improvements. This includes a check by technicians of the electronics laboratories of the airplane's complicated electronics systems. Such items as the bombing and navigation systems, the autopilot, tail radar, compasses and communications systems.

Responsible for the work is a group of about 300 Convair people, housed in the many-windowed electronics building at the north end of Grant's Lane at the Fort Worth plant. The windows are necessary because radar and antenna testing is going on constantly, and radar waves won't pass through a building.

"When B-36 equipment comes in it is disassembled and carefully cleaned and lubricated," explained C. B. Clark, FW superintendent of electronics and armament. "It's checked for physical damage and checked for fraying or defective wiring."

Bench tests make sure everything is in perfect working order. When technicians are finished, the systems work "like new."

"Then they're ready for installation and inspection," said Clark. "That means crews who work in the yard area take over. They install the systems and then recheck them."

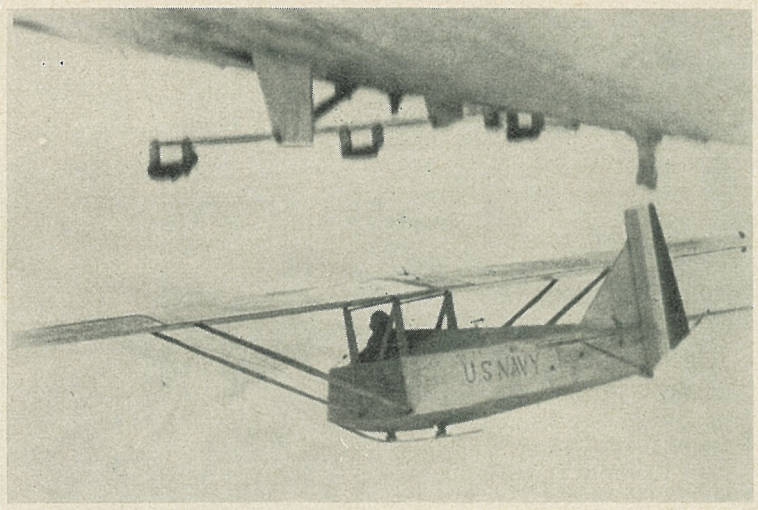
Virtually all maintenance work is done in the lab, but occasionally part of a system goes back to the company which originally manufactured it.

A group from engineering department, under the direction of R. Vickers, design group engineer of electronic operations, is also housed in the electronics building. Their work is electronics research and planning.

"The whole building is exactly what the name implies," said Clark. "A group of trained personnel working round-the-clock planning and maintaining electronics systems.

"Outside the plant we have employees at various Air Force bases who can assist with electronics problems.

"And although department 75 is now mainly concerned with B-36 systems, pre-B-58 electronics projects are playing an increasingly important role in every-day work."



PIONEER—First glider drop from a rigid airship was made 25 years ago from USS Los Angeles. Man who did it was R. S. Barnaby, then the Navy's No. 1 glider pilot, now a captain, USN, retired. Photo by courtesy of U. S. Air Services magazine and Capt. Barnaby.

GRB-36s Recall Navy Glider Drop of 1930

An interesting parallel to Convair's GRB-36s (which can launch and retrieve jet fighters while in flight) was developed recently by U. S. Air Services magazine.

The parallel goes back 25 years, to the first launching of a glider from a rigid airship.

Capt. R. S. Barnaby, USN (ret.), writing in the March issue of the magazine, recalled that it was the idea of Admiral Moffett, then chief of the Bureau of Aeronautics, and Barnaby was chosen for the flight from the USS Los Angeles because he was the Navy's No. 1 glider pilot. The date for the trial was Jan. 31, 1930, at Lakehurst, N. J.

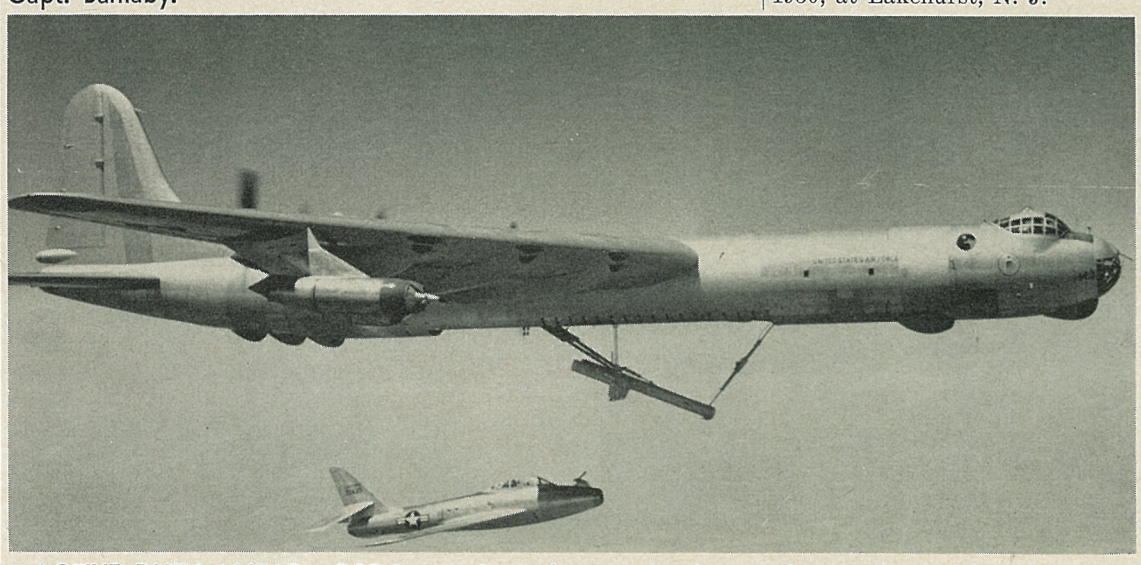
"The glider was attached to the airship in the hangar. . . . I made a few practice descents down the ladder. . . . This descent into a cramped glider cockpit, in itself, was no small feat with a seat-pack parachute dangling against my legs. . . . "

The 31st was clear and cold—16 below zero, in fact—and Barnaby rode in the control car during takeoff and while the airship cruised toward the 3,000-foot altitude agreed upon for the drop.

"Although the ship's engines were idled, it was an icy blast which hit me as I climbed down the ladder . . . folded myself into the tiny cockpit . . . and watched the ladder being drawn up. . . . I sat there waiting, cold and a little scared . . . and wondered how I had ever let myself be maneuvered into that position. Oh, yes, I was the Navy's glider expert (but) actually my total glider time as of that moment was 45 minutes."

Barnaby's chief concern was the possibility of being slammed against the airship or into one of the five whirling propellers.

"I might well have spared myself the worry. The glider dropped away like a shot! If I hadn't had a well-tightened safety belt it might have left me behind. . . . I leveled off about 100 feet below the airship and let the glider slow down to 30 miles an hour, its normal gliding speed—breathed a sigh of relief and settled back to enjoy the ride. . . . "



ACTIVE DUTY AHEAD—GRB-36s, such as this one, are being added to operations of the 99th Strategic Reconnaissance Wing at Fairchild Air Force Base, Washington, though they are not yet operational. They make an interesting comparison with photo above.

Air Station Gets Plaque as Site of Historic Flight

Convair San Diego and Navy officials joined in a presentation service late last month at Brown Naval Auxiliary Air Station commemorating the first transition flight of the Navy XFY-1 (vertical takeoff fighter) built by Convair.

Convair presented to the Navy a series of pictures made at the first transition flight and later at the press demonstration last November at Brown. A plaque was also presented noting the Air Station was the site of the first VTO transition flight in history. The pictures and plaque will become a part of the permanent display in the new administration building at Brown.

Capt. F. K. Slason, Navy BuAer representative at Convair, C. B. Carroll and J. O. Pike, of the Convair XFY-1 engineering project office and J. F. (Skeets) Coleman, Convair engineering test pilot, represented Convair at the presentation.

Most Accidents Traced To Falls—in the Home

Did you know that most accidents are falls? Most accidents happen at home? Most injuries are wounds? And arms, hands and fingers are most frequently injured?

These facts were some brought to light this week by Fred Temple, safety engineering supervisor at Convair Fort Worth.

Compiled by the Fort Worth Safety Council, the facts also pointed out that most accidents involve people from 25 to 60.

"The facts show that most people are injured at home," said Temple. "Accidents on the job are third.

"Some people don't use the same safety precautions in their homes that they'd use at work.

"We'll use a chair instead of a ladder. Take chances with fire, electricity or gas."

Temple pointed out that an injury at home—or at work—still keeps the employee off the job.

"That not only costs the employee money, but it costs Convair money, too," said Temple. "And you can't measure personal suffering in dollars and cents."

Temple urged all employees to make a thorough "spring housecleaning" to get rid of possible combustible materials. To have worn out wiring repaired. To repair anything that might cause injury.

"It's better to take time out now to prevent an accident—than later to wish you had," said Temple.

Convair Daughter's Dog Wins in Show

Fern Reconnu and her dog, Tracy's Guardian Jorette (**Convairiety**, Jan. 26, 1955), took top honors over 48 dogs in the Fort Worth German Shepherd Club's sanction match last month. Fern is the daughter of F. C. Reconnu, Dept. 25-3 employee at Convair Fort Worth.

Pipe Reaches SD For Heat System

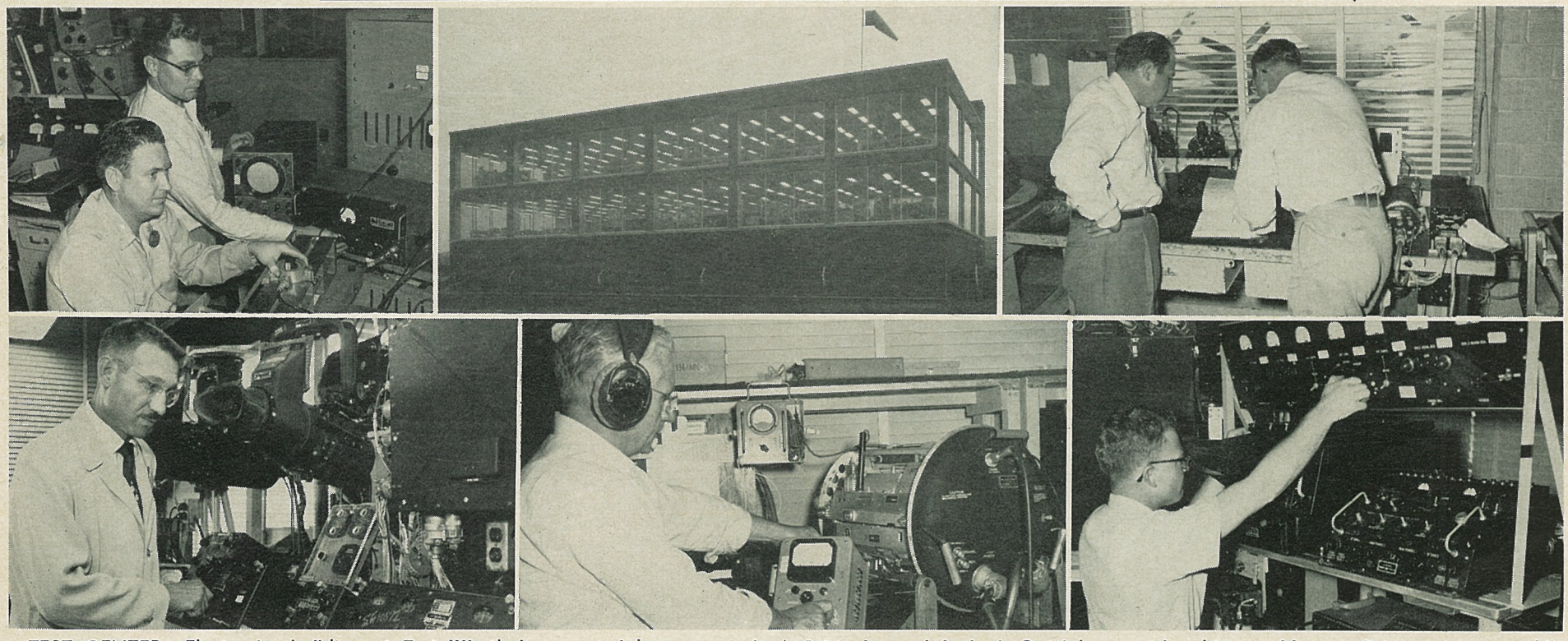
The largest shipment of pipe (50 tons) to arrive at Convair San Diego since early in World War II was unloaded April 18 near Building 8.

The shipment, which ranged in size from two inch through 16 inch pipe, will be used in modernizing the existing steam heating system at Plant 1. The entire shipment was made from Pennsylvania to California in a single giant railroad gondola car.

Installation of the new steam lines from Building 9 to other points in the plant started late last month. Most of the new lines will travel overhead through the various buildings.

Dr. Lamb Speaks at Education Conference

Dr. Neil Lamb, long range planning administrator at Convair SD, was the principal speaker at a Community Conference on Education held April 30 at La Mesa. Dr. Lamb discussed the possibilities of a long range planning program as applicable to the education system.



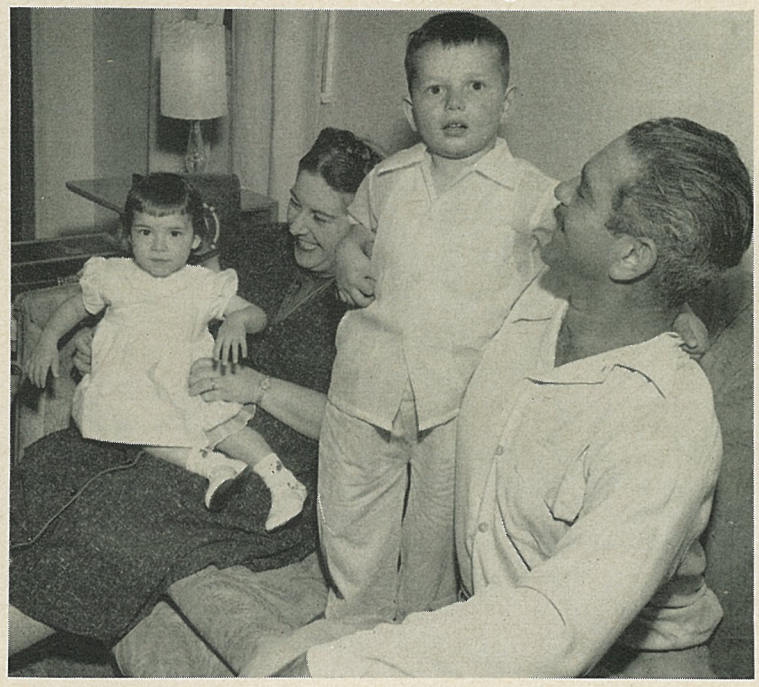
TEST CENTER—Electronics building at Fort Worth (top center) houses a multitude of activities. Top left K. W. Sutton and M. L. Lewis examine testing equipment; top right L. E. Tucker and R. L. Landy check autopilot system of SAM-SAC B-36. Lower left, L. J. Gottlob runs a bombing problem on B-36 equipment; while at lower right O. Johnson goes through a tail radar test. Lower center shows Carl Harp overhauling part of B-36 communications system.

Two Orphans of Greece Find a Home And Loving Care With Pomona Pair

When Mr. and Mrs. Ray Lewis (he's in Dept. 25 Pomona) decided five years ago to adopt a child, they little realized that their quest would take them half way around the world.

"After trying for four and a half years in this country to find a child to adopt, we had just about given up when we saw a newspaper article that gave us new hope," Mrs. Lewis said. "The article told of the efforts of a Los Angeles man to find foster homes in America for some of the 2,800 Greek children left orphans by the earthquake there last year."

They contacted the man—and their efforts in that respect would make another story—and he put them into contact with his brother, in Greece. Finally, after months of correspondence and "tons" of international red tape, Mr. and Mrs. Lewis were permitted to adopt two children, a boy and a girl, through the Greek courts.



A HOME AGAIN—Paul and Suzanne, who lost their parents in an earthquake last year in Greece, are shown with Mr. and Mrs. Ray Lewis of Pomona, who adopted them.

"We have renamed the children Paul Arnold and Suzanne Irene," Mrs. Lewis said. "Paul is five and Suzanne is two."

Incidentally, the children are not related. And although they have been legally adopted and their last name is now officially Lewis, they will not become eligible for U. S. citizenship until they have been in this country for two years.

"We actually started the proceedings last August," Lewis said. "The adoption was granted in November, but we couldn't arrange for transportation until March because an adult had to accompany the children on the plane. We were fortunate enough to arrange for a nurse who was immigrating to America to accompany them. They arrived in Los Angeles on March 20—Paul's birthday."

Before the children arrived Mr. and Mrs. Lewis took the precaution of learning a few words of basic Greek.

"That made the first few days much easier, for of course the children spoke no English," Mrs. Lewis said. "But now, after only a few weeks, the children are picking up English rapidly, and they understand practically anything we tell them."

Paul has gained five pounds and Suzanne has gained three, and both have grown half an inch since they arrived.

The children are fascinated by their new surroundings, especially with American plumbing. They are highly interested in all bathroom fixtures, particularly the shower—although at first it terrified them.

"One day recently Suzanne removed all of her clothing and got in the shower four times, and each time became infuriated because she couldn't reach the handles to turn on the water!" Lewis said.

Although the children are generous to each other, and to others in most respects, they are highly possessive with their new American clothing.

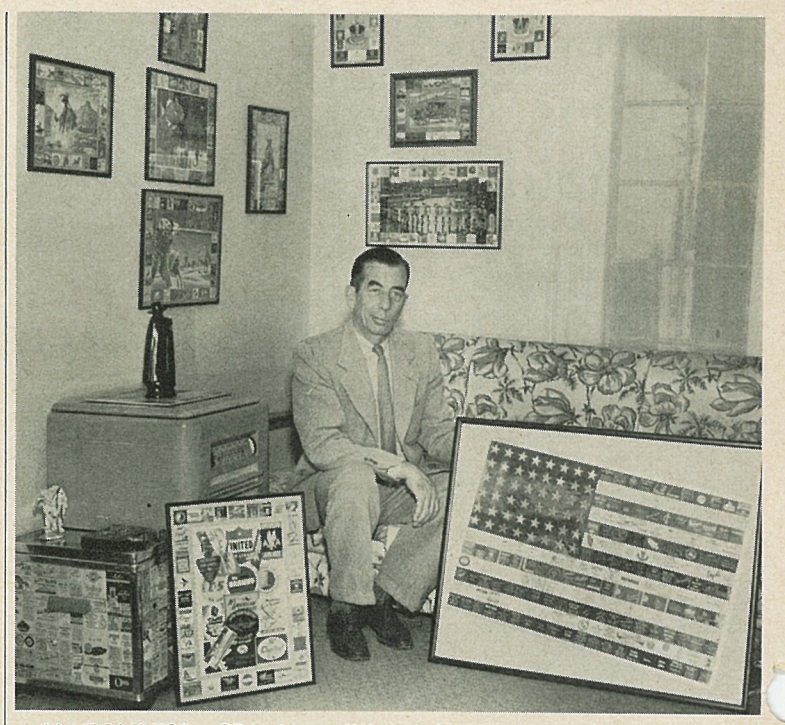
"The night they arrived from Greece we didn't get them home from the airport and into bed until about 3 a.m.," Mrs. Lewis said. "Both of them refused to remove their new clothes because they thought we were going to take them away. We finally put them to bed with their clothes on and removed them after they fell asleep."

Incidentally—the children were up at 5 a.m. exploring their new home.

Mr. and Mrs. Lewis have received many inquiries from other childless couples who have been unable to find children to adopt in this country.

"We usually advise them to contact the State Department, or to see the nearest consul of the country they are interested in," Lewis said. "Many of them become discouraged when they learn of all the red tape that is involved.

"But the red tape can usually be cut, and, to us at least, it is really worth every bit of the effort," he added.



MATCHLESS—SD's Larry Watts shows off part of his art collection, created with decorative paper match covers. Most use a central photograph theme, with covers forming novel border.

From Far Corners

Match Cover 'Mosaics' Result Of SD Man's Collecting Hobby

Larry Watts of Convair San Diego has added a novel touch to the common hobby of collecting match book covers—he uses them to create works of art.

Typical of his work is a large American flag which adorns his office at Westgate Warehouse. The alternate red and white stripes are composed entirely of covers, each blending with its neighbor and none duplicated.

It took him three years to complete it!

"Getting the right shades of color was a problem," Watts said. "But not half as tough as finding those in which the printing was the same size and color."

Out of the thousands of covers he has collected in the past eight years he has created dozens of scenes dealing with birds, animals, ships, railroads, airplanes and people. Some contain a picture as a centerpiece with the covers mounted around it, while others are composed entirely of covers. He frames each scene as it is completed and uses it at home as a decoration. He has also covered a chest, his coffee table and several trays and containers.

"One of the toughest (it took four years to complete) was a scene involving a sailing vessel," Watts said. "I found dozens of covers with sailing vessels but few in which the ships had only two masts such as I needed."

Watts was in England last year for the Coronation ceremonies and has just recently completed a scene with covers from England.

"I had to buy each one. They don't use book matches as advertising as we do in this country," he said.

He has numerous sources for covers, including other hobbyists. Convair friends who travel abroad often return with sacks of covers for his collection.

In his hobby he has written many important people (Churchill, Eisenhower, etc.) asking for a book of their personal matches. They reply by mail but seldom send matches.

Manufacturers of book matches almost never send their products to collectors. They prefer to have the matches come direct from the advertiser.

Watts clips each book as he receives it and files the cover away for future use both by color and subject. He has hundreds of covers awaiting new ideas or color schemes.

Herbig and Hartzler Appear at Forums

J. R. Herbig, manager of budgets, and E. E. Hartzler, supervisor of cost reduction, both of Convair SD, are taking part in two forum discussions sponsored by the San Diego Chapter, National Association of Cost Accountants.

The first was held April 27 and the second is slated for tonight (May 4) at the San Diego Club. W. W. Hass, Convair manager of industrial accounting, serves as moderator for the forums.

FW Fireman Injured In Fall From Truck

Conrad V. Smith, fireman at Convair FW was improved this week after a fall from a fire truck April 26. Smith was adjusting a seat when he slipped and fell.

Texas State Champion Drilling Team Lists Eight Convair Men

At least eight Convair Fort Worth employees have a spare time activity that keeps them stepping—literally.

They're members of a crack drill team that specializes in winning honors for their precision marching.

Officially they're known as the Worth Commandery Number 19, Knights of Templar Drill Team.

The 35 smartly garbed men go through close order drill—with precision as their watchword.

Convair members of the team are C. E. Jones, Dept. 25-3; A. B. Ostby, Dept. 24-4; J. Wilson, Dept. 24-6; W. A. Dunlap, Dept. 60; E. L. Obryant, Dept. 65; F. Dieb, Dept. 6; S. M. Moon, Dept. 82 and Chick Allen, Dept. 24-3.

Just a month ago the team took first place over six other drill teams in Texas. This made them Texas state champions—an honor they've held now for three years in a row.

Next comes the national competition in New York. They'll have 16 teams from all over the country to drill against. The Fort Worth group has held the national title twice before—the last time in 1946.

"The drill team was formed in 1920 and has operated continually except for war years," said C. E. Jones. "Every three years we re-organize. This gives more people a chance to drill with the team."

The group goes through its fancy paces without any musical accompaniment. In fact the only time they march with music is in a parade. Their steady pace—120 steps a minute—keeps them on time and in step.

Formations are dreamed up by Captain Don Gray. He also teaches the drills. All formations are based on squares, crosses and triangles.

"When a new drill is complete," said Jones, "we go through an extensive training period for about three months.

"Our drill lasts 25 minutes so it takes quite a bit of time to whip them in shape."

The team wears dark uniforms with white shirts and dark ties. Hats are dark with a white ostrich plume. The men carry swords during the drill.

"Everything works out fine," said Jones, "unless you get out of step, drop your sword, trip on an untied shoestring, your hat comes off or something. It really keeps us stepping."

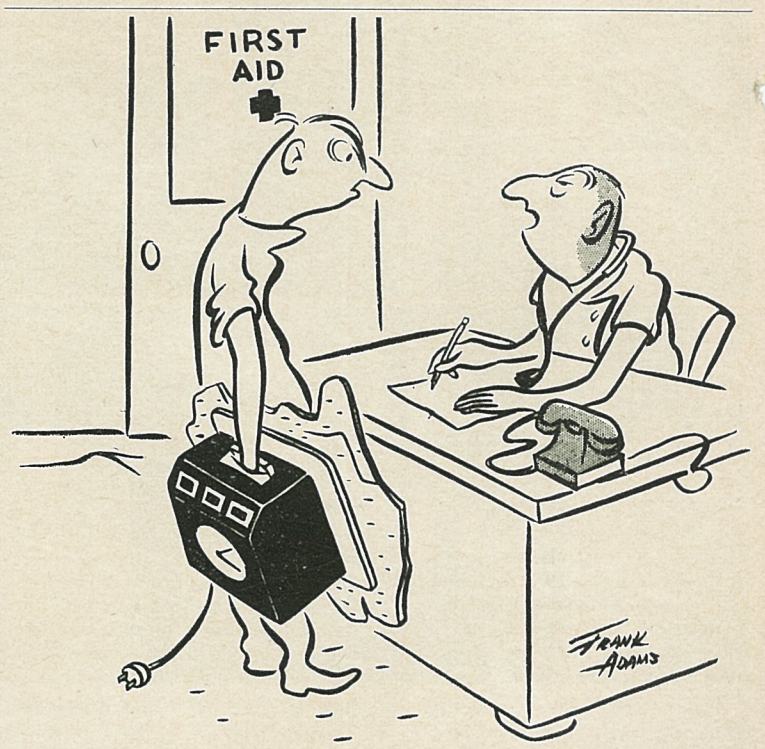
SNAPPY—Members of crack Fort Worth drill team include these Convair men, left to right: front row, C. E. Jones, A. B. Ostby, W. A. Dunlap; back row, E. L. Obryant, Fred Dieb, S. M. Moon, Jack Wilson. Chick Allen, also a member, was absent for photo.

Grants Made to MIT By General Dynamics

Grants to be used toward the construction of a laboratory and establishment of two one-year fellowships to Massachusetts Institute of Technology were announced last month by General Dynamics Corporation through John Jay Hopkins, board chairman and president.

General Dynamics gave MIT $5,000 to be used toward a nuclear science laboratory being built in honor of Karl Taylor Compton, the late president of MIT.

The fellowships carry a stipend of up to $4,000, part of which is an unrestricted grant to MIT. One fellowship is in nuclear engineering and the other in electronics. Students for the first year have been selected.



"Well . . . what can I do for you?"

Gardner Sees B-58 Progress

Mounting interest in the B-58 supersonic bomber was indicated in April by the visits of high level Air Force officials and others to Convair Fort Worth.

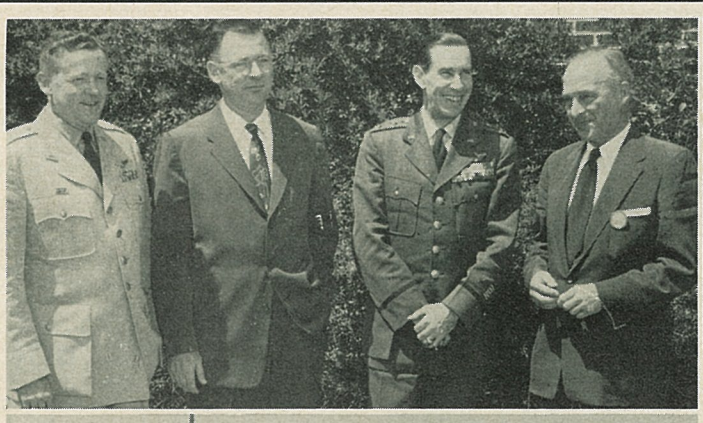
Topping the list was Trevor Gardner, Assistant Secretary of the Air Force, and Maj. Gen. Herbert B. Thatcher, assistant deputy chief of staff for development.

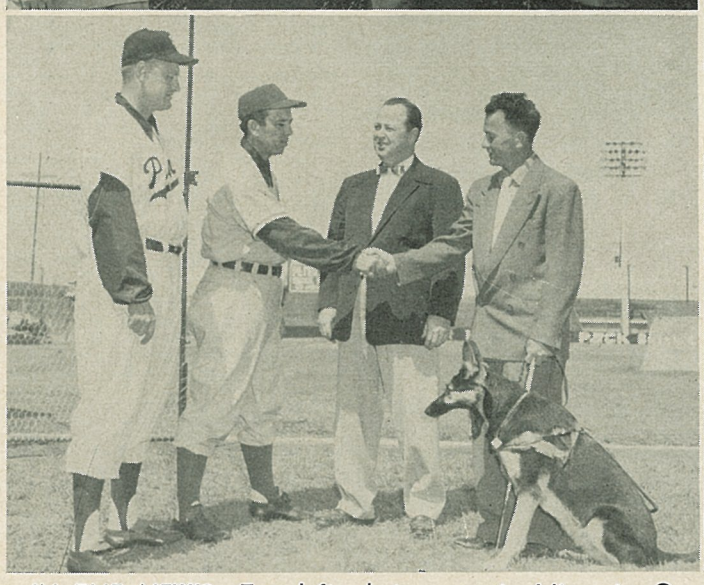
They were briefed on the B-58 and Convair's atomic powered aircraft program by August C. Esenwein, manager, and Col. C. Savage, AF plant representative.

On the same day—April 21—four other officers from the Pentagon arrived to get checked out on the B-58. They were Lt. Col. R. A. Ballweg and Maj. James H. Voyles, from the office of the secretary of the Air Force; and Col. Ralph T. Holland and Maj. Charles E. Buckingham from USAF headquarters offices.

On April 23, 90 delegates to the annual student paper competition sponsored by the Texas section of the Institute of Aeronautical Sciences visited the plant.

On April 24, 13 members of the Texas Air Medics Association visited and toured the plant. They were briefed on the plant's overall mission by Malcolm Holloway, of Dept. 2. A special briefing on Convair's atomic powered airplane program, and on the safeguards which Convair sets up in areas where radiation might be encountered, was given by B. R. Fish of the personnel department's health physics group.





IN THE NEWS—Top left photo: recent visitors to Convair Fort Worth were Trevor Gardner, Assistant Secretary of the Air Force, and Maj. Gen. Herbert B. Thatcher, shown with Col. C. Savage, AF plant representative, and August C. Esenwein, FW manager. Top right photo: Harbor 624 Toastmasters Club at San Diego is almost 100 per cent Convair members. Shown are new officers and members at installation meeting. Lower left photo: Managers Bob Elliott and Bobby Bragan of San Diego Padres and Hollywood Stars meet Tony Gianformaggio (Dept. 401 SD) and Oliver Farrell (formerly Dept. 31). Gianformaggio is chairman of Guiding Eye Day at Lane Field May 14. Proceeds from last year's game helped buy guide dog for Farrell. Lower right photo: John Whalen of SD's BuAer office receives first check in newly created Navy incentive awards program. Left to right: Fred Wright, Navy contracts, Bennie Grondona, Navy chief engineer, Whalen, Capt. F. K. Slason, BuAer representative at SD, and Cdr. R. E. Hargrave, newly named assistant BuAer rep. Whalen's check was for $130, with possibilities he will receive more.

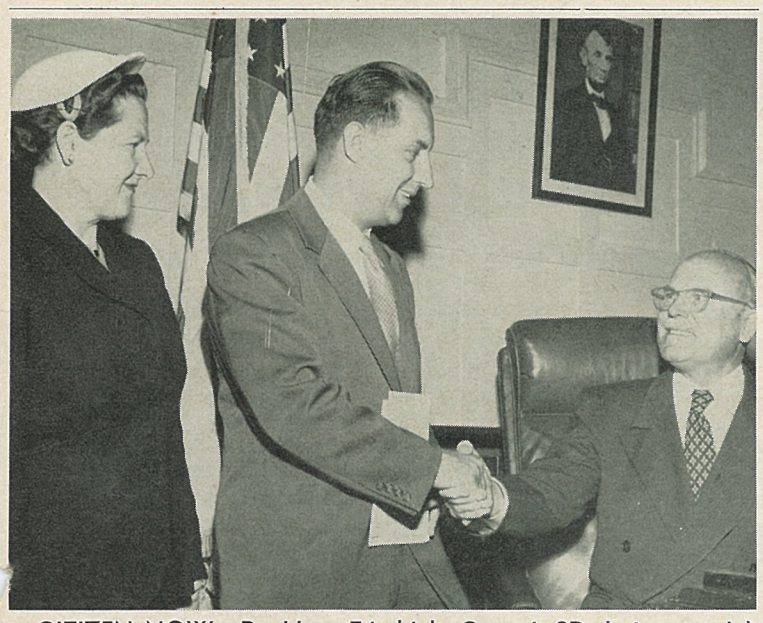
Convair Men Take Lead in Benefit Ball Game at SD to Aid Blind

When the San Diego Padres meet the Hollywood Stars Saturday, May 14, at San Diego they will be helping the blind.

Part of the proceeds from the game will go toward the International Guiding Eyes, Inc., which supplies guide dogs to those who cannot see. "Guiding Eye Day" at the ball field is sponsored by Machinists Union District 50 with Tony Gianformaggio of Dept. 401 SD as chairman. Other Convair men taking part in committee positions include: Jack Faden Jr. (Dept. 603), Gordon Neddles (Dept. 22), John H. Belkonen (Dept. 603), L. S. Wilson (Dept. 301), Fred Picaroni (Dept. 406).

In order that tickets will be credited to the Guiding Eye fund they must be purchased from Machinist Union members or from district headquarters, Gianformaggio explained. The event last year drew one of the biggest crowds of the season, he said, predicting another record draw this year.

The Saturday game was chosen this year in order to permit all shifts to attend.



CITIZEN NOW—Dr. Hans Friedrich, Convair SD design specialist who in other times was developer of V-2, is congratulated by Judge Arthur L. Mundo as he receives U. S. citizenship. With him is Mrs. Friedrich.

Co-Developer of V-2 Rocket, New SD Engineer, Gains Citizenship

A Convair San Diego design specialist in the engineering dynamics group—Dr. Hans R. Friedrich—was among a group of 121 persons admitted to American citizenship at naturalization ceremonies last month in San Diego.

Dr. Friedrich, who has worked for Convair since 1951, was sworn in by Judge Arthur L. Mundo.

Born in Zwickau, Germany, Dr. Friedrich received his doctor of philosophy degree from the University of Leipzig. From 1939 to 1945 he was co-developer of the German V-2 rocket. From 1946-1951 he served as section chief at Fort Bliss and Redstone Arsenal, where he worked on guided missile problems for the Army.

Speaking at the naturalization ceremonies, Dr. Friedrich said:

"Not one minute during the last 10 years have I regretted my decision to make available the important technological and scientific knowledge which we had gained in the field of rocketry and guided missiles to the only country which is able to defend and preserve mankind, its dignities and its human rights as well as its spiritual and physical freedom."

Girl 'Burned-up' by Pocket Explosion

A Convair girl at Plant 1 San Diego was a little "burned up" last week—literally.

Her jacket pocket suddenly spouted flames. Reason? She was carrying two packages of paper matches there, one with the paper cover out of place. The exposed match heads on the open book rubbed against the abrasive strip of the other and the whole book went up in smoke.

For someone working in chemicals the result might have been more than a burned pocket.

Navy Inaugurates New Awards Program at SD For Best Cost Improvement Suggestions

First payment in a Navy incentive awards program recently installed by the Navy's BuAer representative at Convair SD was made April 19 to John Whalen.

Whalen, a civilian Navy engineer, received a check for $130 from Capt. F. K. Slason, BuAer representative, for a cost-improvement suggestion. His idea was to use a test stand for certain GFAE engine parts at Convair rather than returning them to the vendor. If his suggestion is adapted by other Navy units, he stands to receive additional cash awards.

The incentive program, which is part of a Navy-wide program to encourage money saving suggestions by employees, was started around April 1 at Convair SD. A second suggestion made by another Navy employee is now in the process of being investigated.

Local investigations are made by a committee composed of Cdr. R. E. Hargrave, assistant BuAer representative; Fred Wright, head of BuAer's contracts section, and Bennie Grondona, chief engineer, all assigned to the Convair office.

Over 500 at Convair SD Help With Multiple Sclerosis Telethon

Upwards of 500 Convair SD employees were instrumental in helping raise an estimated $40,000 for the Multiple Sclerosis Society during a telethon originating in San Diego April 23-24.

Some 200 girls volunteered to answer telephones to accept pledges during the show which ran from 11 p.m., April 23, until 4 p.m. the next day. In addition, some 350 SD Management Club members stood by as car pool drivers to pick up cash contributions at the homes of donors.

Convair helped, too, by making available space for 65 telephones in Building 32 and allowing volunteers to enter and leave the plant.

"Everyone was wonderful and we can't thank enough all of those who volunteered," said Barbara Vincent (Dept. 9), chairman. "We received pledges for about $40,000 and feel that the amount will probably go higher."

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

* * *

Convair's work in producing B-50 noses praised as model of good workmanship.

* * *

XP5Y-1, with E. D. Shannon and R. C. Loomis in cockpit, logs first flight at San Diego (April 18).

* * *

Forty thousand turn out for CRA circus at Fort Worth. President LaMotte Cohu present in gaucho costume to lead parade.

* * *

Convairiety tries out a "Femme Fare" column. (It later flopped.)

* * *

Pods developed for attachment to B-36 fuselage, permitting plane to carry spare engines to bases where required.

* * *

"Oldest" Convair-Liner has spent nearly six months in air for Trans-Australia Airlines.

* * *

"The Rock" (Bldg. 19 at SD) put on the "block."

* * *

Roy Dill of SD, former national archery champion, wins professional title. Marten Mendez of SD repeats as national amateur badminton champion.

* * *

Eddie Robinson re-elected CRA president at SD.

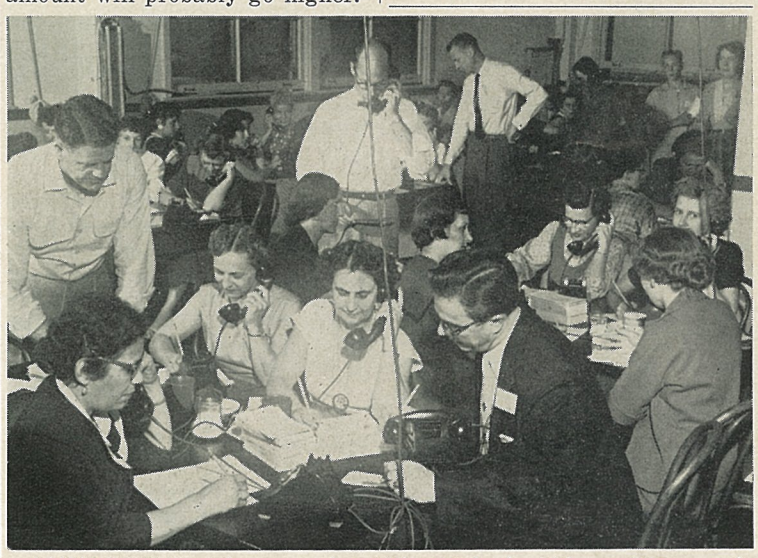
FW Square Dancers Appear on TV Show During Convention

Television viewers across the country got a look at square dancing Texas-style last month at the National Square Dance Convention in Oklahoma City.

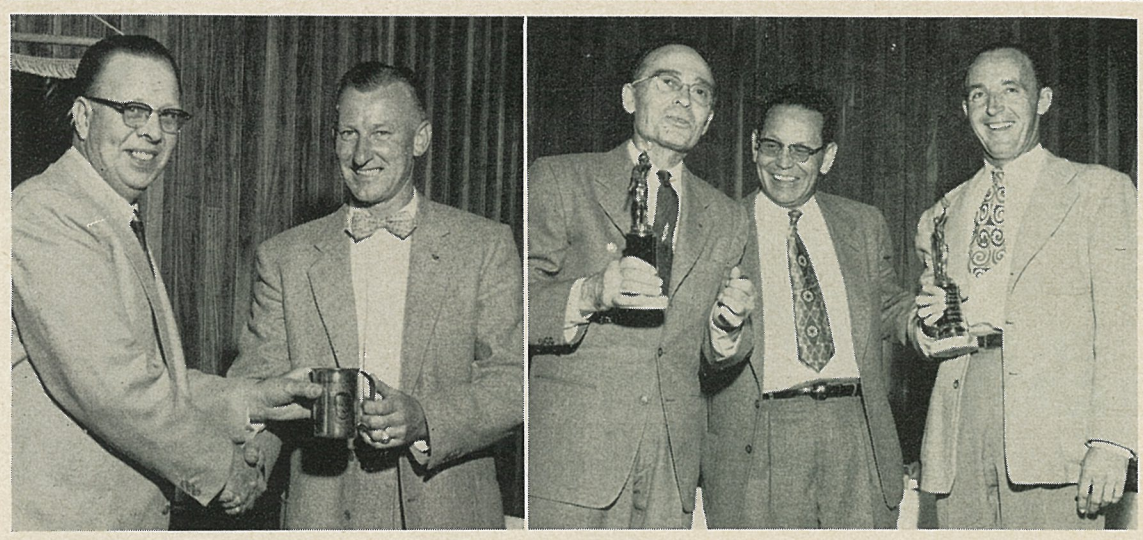
On hand for the color cast was a group of Convair Fort Worth employees known as "The Grand Square."

They were: Mr. and Mrs. R. A. Calder and Mr. and Mrs. W. F. Wright, of engineering; Mr. and Mrs. T. F. Reeves, of tooling; and Mr. and Mrs. Cal Moore, of industrial relations. Also with them were Mr. and Mrs. E. J. Deasen.

Four teams including "The Grand Square" danced on a 30-minute telecast on NBC national hook-up.



BUSY SCENE—This was what Bldg. 32 looked like at SD recently during telethon in which 500 Convair SD people helped.



RECOGNITION—In photo at left A. E. Hill, SD chief tool engineer, presents Mug o' the Month award to C. L. Pogorel of Dept. 406 at last Management Club meeting. At right Dale Marks (center), standards and controls chief, presents March MacSave-it awards to M. V. Pickens (Dept. 102) and W. K. Baker (Dept. 28), who tied for honors.

★ ★ Rivets ★ ★

Movie cameramen frequently are posted on buoys in San Diego Bay when Convair has waterbased aircraft operating.

Having been out there before, Cameraman **Don Whaley** is forewarned and now equips himself with folding chair and sun glasses for relaxing between "takes." The other day Whaley was relaxing when the harbor excursion boat came by loaded with gawking tourists and he heard the announcer reply to a question:

"No, mam, I think they bring him out in a boat and then come back and get him."

* * *

It was a grim moment in the **Nelson Fuller** household at Crown Point when the oldest son, **Fred,** 16, drove up with the family car newly equipped with a "hot rod" variety of muffler.

Sternly parental, Father Fuller decreed:

"That muffler must come off. It's, ah, illegal."

"It is not, Dad," argued Fred. "The muffler isn't illegal, it's just the noise!"

* * *

Midwest hospitality extended to Convair men and others following a forced landing of a United Air Lines Convair-Liner on their Iowa farm was rewarded recently for the **Fred Lenocker** family.

UAL gave Mr. and Mrs. Lenocker and their two daughters round-trip tickets to Los Angeles from Des Moines for a vacation trip. Shortly after the plane came down the Lenocker home became headquarters for the airline investigation and during the next few weeks Mrs. Lenocker served coffee and cookies on a regular basis, some of which was consumed by the Convair crew that went east to retrieve the plane.

* * *

A four-foot garter snake could have done **Russ Osgood** some good April 17 at Rancho Santa Fe golf course, but he done him wrong.

Osgood's tee shot found the rough on No. 16 and lodged alongside the snake. Russ called his playing partners **Art King** and **Bruce Lubo** and pointed out:

"If the snake moves one way there's a good chance my ball will roll back into the fairway and I want you fellows to testify that I didn't move the ball myself!"

Unfortunately, Osgood would make no snake charmer, for the critter went the wrong way, leaving Russ with a bum lie and he wound up with a seven.

* * *

M. L. Harvey of Dept. 22 at San Diego sent birthday greetings to his father last month, James F. Harvey of Des Moines. The elder Harvey was 100 years old!

* * *

Just catching fish isn't enough for 12-year-old **R. A. Davis Jr.,** son of Dept. 203's **Russ Davis.**

Young Davis, better known as Butch, was on a fishing trip to Doane Pond with his father, **Mike Alianelli** (Dept. 202) and Mike's son, **Richard,** 12. A nearby fisherman unidentified had laid down his rod for a moment unattended. A fish hit his bait and took off with line, rod and all. A half hour later Butch "hooked" the rod, brought it ashore along with the fish that was still attached! It turned out to be a 15-inch trout, biggest of the day.

Although the fisherman offered him fish and rig, Butch wouldn't accept them, which was quite the sporting thing to do.

Incidentally, all four Convair anglers had their limit by 8 a.m.

* * *

When T-29 bucks were being removed at SD's Plant 2 recently, a "new family" was discovered. Kittens quickly found owners, below, left to right: **Connie Hayes** (Dept. 210), **Frances Juarez** (Dept. 225), **Betty Adams** (Dept. 210).

Every Friday it's "Red and White" day for five Dept. 215 girls at SD, **Lu Voosen, Lois Gibbs, Doris Chostner, Pat Hunt, Marge Charlton.** Gradually the custom grew for the five to wear the same color schemes, red pants and white blouse, until now they would no more break the Friday tradition than would **Mike Clark** of safety appear without green on St. Pat's Day.

* * *

Veteran Convair man **Rudolph Weidner** of Dept. 28 owns an American flag that once flew over the Capitol at Washington, D. C. Seems he found out he could get one by writing his Congressman and sending a small sum, which he did.

SD Square Dancers Elect New Officers

Convair square dancers at San Diego now boast a full roster of officers, the first since the club was organized over six years ago.

Elected to serve six month terms were: Jack Deal, president (Dept. 31); Ray Devin, vice president (Dept. 524); Esther Townsend, secretary; Gerrie Antonette, publicity.

Larry Roth, Dept. 70 and Marty Stutz, Dept. 403, are CRA commissioners for the square dancers.

Ex-U.S. Chess Champ To Give Exhibition

Herman Steiner, California state open chess champion and former U.S. champion, will give a demonstration at CRA Clubhouse beginning at 7:30 p.m. tonight (May 4).

"All Convair chess players are invited to attend and take part," said Commissioner A. E. Munson.

SD Rose Show Best Ever Held

Convair Garden Club's annual rose show held last month in San Diego was the largest in the history of the club, E. L. Zimmerman, CRA commissioner, said this week.

Best of show honors went to: Jean Kenneally (Dept. 10-8); Mike Delva (Dept. 8); C. W. Begeman (Dept. 603-7); Rose Hart (Dept. 4-1); E. L. Zimmerman (Dept. 31); Mrs. Luke Morris (Dept. 522); and Sandra Dirkschnieder (Dept. 4).

First prize winners included: O. J. Snyder (Dept. 10-8); A. E. Brennan (Dept. 10); John and Gloria Jodda (Dept. 10); Mrs. F. L. Cantrell (Dept. 102); Peggy Beinke (Dept. 522); Mrs. A. J. Savard (Dept. 6); T. J. Cunnion (Dept. 25); Grayce Fath (Dept. 1-32); Ralph Pederson (Dept. 70); Mrs. James Gallacher (Dept. 6); Shirley Kalal (Dept. 6); Donna Zimmerman (Dept. 31).

Nicklin Now Prexy Of SD Delta Divers

Chuck Nicklin heads a list of new officers elected by the Convair SD Delta Divers at their April 26 meeting. Barbara Britton was named secretary and Jim McGehee, treasurer.

SD divers plan to enter a team in the Southwest Regional A.A.U. skin divers meet in May and June.

Delta Divers have been requested not to use the small beach of the Marine Room, La Jolla in the future but to stake check-outs at the boat beaching area at La Jolla Shores.

Tuesday Night Gem Class Set at SD

A Tuesday night lapidary class for Convair rockhounds meets each week in the Rockhound Shanty at San Diego, Commissioner Dan Whorton has announced.

"This new class has been arranged for convenience of employees unable to attend other sessions," Whorton said. "Continuation of the class will depend upon interest shown."

Other classes meet Monday and Wednesday evenings, 7 to 9, and Thursday afternoon, 12:30 to 2:30, for second shift personnel.

Rockhounds Attend Course in Minerals

A class in identification of minerals for SD Rockhounds started Monday in Room 11, Conference Building, Balboa Park.

It will continue every Monday at 7 p.m. and Commissioner Jack Benedict invited all interested rock fans to attend, even though they may have missed the first session. Instructor is Robert Rowland, curator of mineralogy of the Natural History Museum. The course will continue for about three months.

Ayer New President Of SD Choral Group

Phil Ayer of Dept. 22 has been elected president of the CRA Choral Club at San Diego. He is a member of the club's quartet and is a tenor soloist. Mary Anderson of Dept. 22 was elected secretary, Mrs. Van Daviau librarian and Kay Crist (Dept. 4) assistant librarian.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, Dept. 115, second shift representative, AT 1-4612 after 10:30 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays each month, 7 to 9:30 p.m. Field shoot second Sunday each month. Instruction Saturdays 10 to 12 noon, Laurel Street range. Equipment available.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Conference Bldg., Balboa Park.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners. Summer leagues now being formed.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m., for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Herman Steiner, former U.S. champion, will give simultaneous exhibition tonight (May 4).

CHORAL CLUB—W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee service, either plant, to be eligible for cash prizes and button awards. 1955 rules available at employee service.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park. Next meeting May 11.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1. Industrial Recreation match play tournament at Rancho Santa Fe, May 7-8, 14-15.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (May 5) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners, 9 a.m.; intermediate, 12 noon; advanced, 1 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658. Junior Fun Show, 1 p.m., May 8. Regular meeting and pot-luck dinner, May 14.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral section, ext. 395, Plant 2; Dan Whorton, commissioner, Lapidary section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee service, either plant.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park.

SNOW SKI—Joe Harris, commissioner, AT 4-0278 evenings.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners. Teams now being organized.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—Convair swim night for employees and their families, Saturday, May 7, Mission Beach Plunge, 7 to 9:30 p.m. Tickets available at employee service, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Chop Suey tournament June 4 at Morley Field. Send entries to Dutton, Room 100, Bldg. 19.

TROPICAL FISH—Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Contact Pete Beyrer, ext. 1245, Plant 1, for further information.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1. Girls' team now being organized. Register with Martha Woodberry, ext. 1245, Plant 1.

WATER SKI—Joe Harris, commissioner, AT 4-0278 evenings.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, May 6, AGAINST ALL FLAGS (color), Errol Flynn, Maureen O'Hara.

Friday, May 13: MAN FROM THE ALAMO (color), Glen Ford, Julie Adams.

Bargain rate movies each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, May 10: SO BIG, Jane Wyman, Sterling Hayden. FRANCIS JOINS THE WACS, Donald O'Connor.

Tuesday, May 17: BLOWING WILD, Gary Cooper, Barbara Stanwyck. BEAT THE DEVIL, Humphrey Bogart, Gina Lollobrigida.

BEST BLOOMS—Admiring "best of show" at SD Garden Club's annual rose show are Ardina Cantrell, club secretary; Ann Cunnion, president, and E. L. Zimmerman, CRA commissioner.

STAR BOWLERS—When last maple fell in annual plant bowling championship these were the ones who had won. One who really stole the show, however, was Mary Conary, shown at left with winning Pin Choppers team. She took handicap all events, and singles titles! Top row, left to right: Elmer Aus and Pete Grijalva, who won handicap doubles; Chuck Wright, who won scratch all events; Al Reiter, who won scratch singles; and Chuck Giamanco, who teamed with Wright to win scratch doubles. Pin Choppers (left) won handicap team title. They are: Dave Barton, Jim Ahrens, Mary Conary, Paul Castillo, Leo Worden. Team at right, Experimental, won scratch title. They are: Otto Peterhansel, Rudy Keisel, John Adams, Al Ong, Joe Minnitti.

Bowlers Slate Awards Dinner

CRA at San Diego will pay honor to winter league bowling champions May 14 when the first annual awards dinner is held at Michaels' Cafe. Present will be league champions and winners of the 14th annual plant championship, according to CRA Commissioners Jim Hayman and Mike Brooks.

Only two leagues are still rolling. The Engineering League winds up May 12 and the Swing Shift league ends May 14.

Here are the winning teams of each league:

Tuesday Little League, Lucky Shots;

Wednesday Handicappers, Glow Worms;

Wednesday Mix Masters, Thunderbolts;

Thursday Whirlaway, Division Stores;

Friday Mixed Pac, Toolies;

Friday 850 Scratch, Topplers;

Friday 775 Scratch, Stars and Strikes;

Friday Convairettes, Convair-Liners.

Phipps and Platt Shine in Archery

Al Phipps and John Platt emerged as top winners in the field shoot staged by Convair SD archers at Gold Gulch May 24.

Phipps took first place in the morning field event and second in the afternoon broad head event. Platt won second in the field and first in the broad head shoot. Third place in the field event went to Fred Westfall, while Wally Butts took third in the broad head contest.

Next archery field shoot is 9:30 a.m. Sunday (May 8) at Gold Gulch.

ART KING LEADER IN POINTS VS. PAR

Art King tallied 33 points to take low gross honors in the top handicap bracket of the points play against par golf event held April 23-24 at Agua Caliente.

Bill Pardy copped low net honors in the same 0-12 handicap group with second low net going to Al Reiter.

Other results included:

Handicap group 13-18: John Meller, low gross; Hank Johnson, first low net; Roland Leland, second low net.

Handicap group 19-24: Ralph Way, low gross; Gene Schroeder, first low net; J. Datin, second low net.

Handicap group 25 and up: Lou Dress, low gross: M. Pruitt, first low net; Arline Stewart, second low net.

Girl Bowler Dominates Handicap Divisions in Annual Plant Tourney

Mary Conary, Dept. 403, broke a 14-year precedent last month when she became the first woman in the history of the CRA plant-wide bowling tournament at San Diego to walk away with a major portion of the awards.

When final statistics were compiled in the 14th annual tournament which ended April 24, the second year female kegler was named handicap winner in the all events, handicap winner in the singles event and was a member of the winning handicap team!

Top honors went to Chuck Wright of Dept. 528 whose 1,846 pins was good for scratch honors in all events and also a place on the top scratch doubles team with Chuck Giamanco of Dept. 70.

Al Reiter, Dept. 115, won scratch honors in the singles event and was named runner up in the all events class. Bob Beasley was runner up in the singles competition.

Elmer Aus and Pete Grijalva took the handicap doubles class.

Scratch team champions were Otto Peterhansel, Rudy Keisel, John Adams, Al Ong and Joe Minnitti of the Experimental five. Handicap team champs were the Pin Choppers composed of Dave Barton, Jim Ahrens, Mary Conary, Paul Castillo and Lee Worden.

AL REITER LOW IN MEDAL PLAY

Al Reiter, Dept. 115, was crowned king of the Convair SD Golf Club last month when he won the club's first annual 36-hole medal play tournament.

Dick Ramsdell copped low net honors in the championship flight and Bruce Lubo took second low net. The tournament was staged April 9-10 at Agua Caliente and April 16-17 at Rancho Santa Fe.

Phil Parker won low gross in the 12-18 handicap division, with George Hati and S. A. Sisson first and second low net.

W. Fitzgerald took low gross and Ralph Way low net in the 18-24 handicap division, with Gene Schroeder second.

Jack Viskil paced the low gross winners in the 25 and up handicap division with Bob Saling and G. S. Byrne winning low net honors.

Chop Suey Net Event 'On Stove' For SD

A "chop suey" tennis tournament open to players of all grades of skill is scheduled for Convair SD netters June 4 at Morley Field, Commissioner Chet Dutton announced this week.

Forward entries to Dutton, Room 100, Building 19, Plant 1 including name, home address and telephone number, plus department number and plant extension.

Pistol Team Sweeps Industrial Tourney

Convair SD Pistol Club swept the field during the May 24 industrial team matches sponsored by Solar, taking first, second and third place and only a few points apart.

Thirteen four-man teams representing Convair, Solar, Ryan and Rohr took part.

First place team winners included Joe Williamson, Bill Dittmann, Jim Baxter and C. L. Smith. The second place team was composed of Jim Halfacre, Bill Geopfarth, J. M. Elliott and Ash Bishop. George Clayton, Carl Monds, Tom Little and Jake Nerlinger made up the third place team.

Softball Managers Hold Final Parleys

Final meeting of CRA plant softball managers at San Diego will be held at 5 p.m. tomorrow (May 5) at the CRA Clubhouse.

"All rosters will be due at that time and final plans will be made for league play," said Pete Beyrer of CRA.

Practice rounds for all teams start May 16 and run through June 17. The American league starts competition June 20 and the National opens June 22. Loop play will continue for 15 weeks.

PHIPPS PRESIDENT

Al Phipps, (Dept. 401) was elected president of Convair SD archers at their May meeting. Other officers include Clyde Belden, vice president, and Mrs. George Kline, secretary.

Special Swim Night Arranged For SD

A special swim night for Convair SD employees and their families only will be held at Mission Beach Plunge from 7 until 9:30 p.m. Saturday (May 7). Free tickets are available at employee service offices at both plants.

Bird Tourney To Start Soon

CRA shuttle cock aces at Convair SD will stage their seventh annual plant badminton championship May 21-22 at the Federal Building, Balboa Park, Commissioner Fred Minter announced this week.

Events will include men's singles and doubles and mixed doubles with special competition for women, if enough entries are received. Deadline for entering is May 20. Entries may be made by contacting Minter, ext. 1135, Plant 1, days, or at CY 8-2242 nights.

There are no entry fees and CRA will furnish shuttles for the matches.

Pre-tournament favorite to replace Marten Mendez as plant champion is John Lieb of Dept. 6, recently named to play with an American team touring South Africa later this year.

MOONLIGHT RIDE ON SD CLUB SLATE

Riding Club members at SD have a full schedule of events for the next two weeks, all to be held at Palomar Stables.

A moonlight ride is slated for 7:30 p.m. Saturday (May 7) and is followed by a Gymkhana at 1 p.m. Sunday. The club's regular monthly meeting and pot luck supper will be held at 6:30 p.m. May 14. A special surprise feature is planned for this meeting.

SD Ski Club to Hold Annual Dinner-Dance

Deadline for purchasing tickets to the annual dinner dance of the Convair SD Ski Club is May 9. The event will be held at 7 p.m. May 14 at the Sweetwater Women's Club, Bonita.

Tickets may be purchased from Rodgers Magee, ext. 1451, Hans Stocker, ext. 1605, Joan Brennan, ext. 327, Plant 2, or Commissioner Joe Harris at AT 4-0278.

Father-Son Fishing Trip Tickets Moving Fast at Convair SD

Reservations for the annual father-son deep sea fishing trip sponsored by CRA Fishing Club at San Diego are going fast with the event still a month away (June 4).

Three sports fisher boats have been chartered with a combined capacity for 116 fishermen. Late last week some 72 fathers and sons had signed up to take part. There is a big list of prizes for the youngsters.

Total cost for father and son is $13.25. Galley service will be available.

Reservations may be made by calling R. D. Marks, ext. 200, F. B. Kemper, ext. 1158 or R. E. King, ext. 673, all of Plant 1 and V. F. Cernuto, ext. 512, Plant 2.

40 SD GOLFERS TO SEE NAF ACTION

Forty Convair SD golfers will represent Convair SD Management Club in the annual Southern California NAF handicap golf tournament June 4 and 5 at Rancho Santa Fe.

Qualifying has started and deadline for filing an attested score card with Jerry Cox, Building 1, Plant 2, is tomorrow (May 5). CRA handicaps will prevail with the 40 low net scores winning team positions. In addition, six alternates will be selected.

Holloman Softball Roster Announced

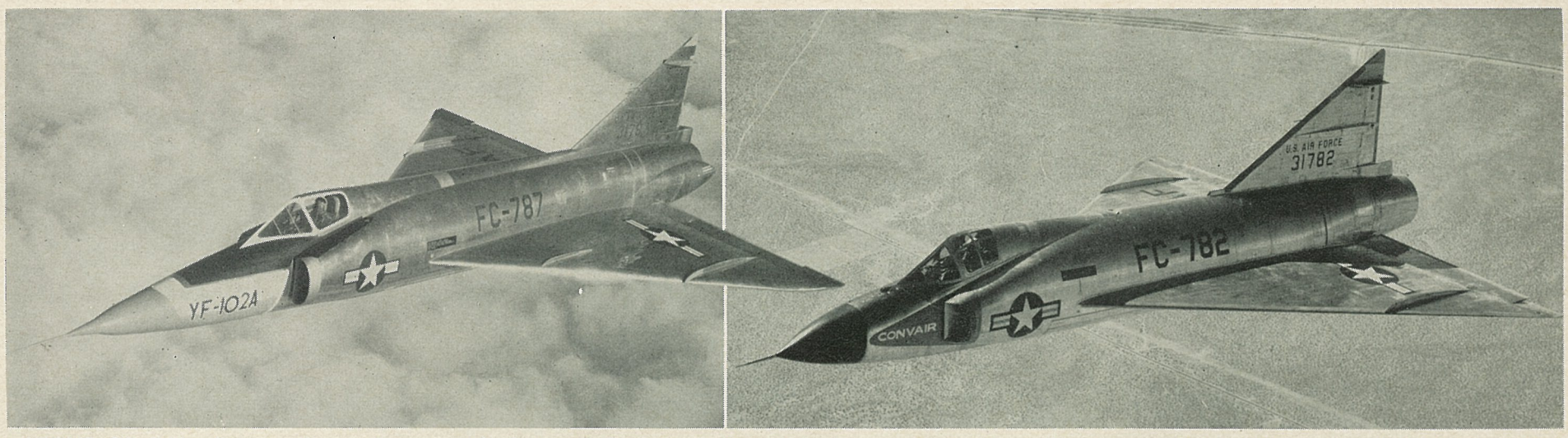
Convair's CRA entry in the Alamogordo (New Mexico) softball league is expected to launch its 1955 season next week in the Industrial League.

Tentative plans call for a four-team league, according to Fred Goodrich, acting team manager.

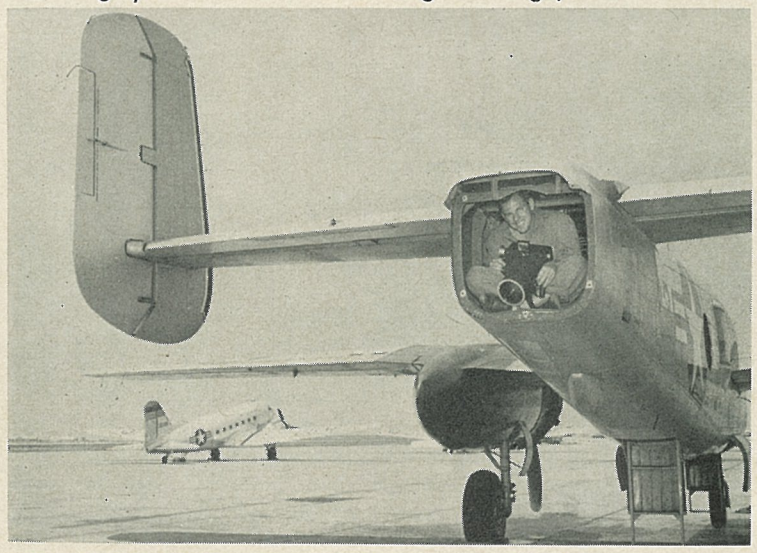
Convair (Hollomon AFB) team members include W. R. Atkins, J. R. Dent, D. A. Falls, J. W. King, A. J. Maracchini, J. R. Martinez, A. B. Praether, G. N. Rhodes, L. Rucker, C. J. Socin, Goodrich, H. H. Grogan, L. Goodloe and T. J. Burger.

Free Roller Tickets!

Free tickets to the May 16 Industrial Recreation roller skate night are available at employee service offices at both plants at Convair SD. Skating is between 6:30 and 9:30 p.m.



NIGHT OR DAY—Recent release of new aerial photos of Convair's F-102A (shown above left) makes possible a comparison with preceding airplanes (such as above right). F-102A differs in a longer fuselage, streamlined fairings at the after end, upswept wing tips and a canopy redesigned for greater pilot visibility. F-102's task is to stop enemy bombers before they reach targets. It is a supersonic, day-or-night interceptor. F-102s are built at Convair San Diego.



"TAIL GUNNER"—Convair Cameraman Bob Herrmann, shown in tail of B-25 from which he shot aerial photos of F-102A. Position is not as risky as it looks.

Neglect of 'Pure Science' a Peril, Says Hopkins as he Gets Degree

A continuing emphasis on pure science, as well as applied science, was urged for the United States last month by John Jay Hopkins, chairman of the board and president of General Dynamics Corporation.

"Scientific progress will be replaced by scientific stagnation," he claimed, unless the American scientific community and industry pay more attention to pure research as epitomized by the late Dr. Albert Einstein.

Hopkins spoke before a Founders' Day ceremony at Occidental College, of which he is an alumnus, where he was awarded an honorary doctorate of laws at an April 21 ceremony.

Suggesting that atomic industrialists were largely failing to encourage "a new generation of scientific explorers," Hopkins warned that "our preoccupation with mass production to the virtual exclusion of fundamental design concepts may already have led us into very great peril."

He cited as evidence of his own company's recognition of this policy the engaging as full-time associates and consultants of 15 great scientists—among them Dr. Frederic de Hoffmann, Dr. Charles L. Critchfield and Dr. Edward Teller—to undertake basic research in aerodynamics, hydrodynamics, electronics, atomics and a new field of "astrodynamics" concerned with the exploration of space.

Presentation of the doctorate was made by President Arthur G. Coons who said Hopkins' alma mater was honoring him for his unparalleled achievements in the atomic age and for his long record of leadership in law, industry and finance.

The citation for the doctorate was read by Dr. Robert G. Cleland, long-time member of the faculty in history at Occidental and formerly dean and vice president of the college. Cleland was a faculty member when Hopkins was an Occidental undergraduate.

Hopkins attended Occidental from 1911 through 1914. He won his bachelor of arts degree in 1915 at the University of California and subsequently took a bachelor of law degree at Harvard in 1921 following service in the Navy during World War I.

Engineering Society Hears SD Man Talk

Convair SD was well represented at the spring meeting of the Society for Experimental Stress Analysis held April 27 through 29 at Los Angeles.

Clarence R. Smith, Dept. 6, was general chairman for the meeting. G. L. Getline, Dept. 6, presented one of the 22 technical papers read by engineers from various firms.

CITED—John Jay Hopkins, center, president and chairman of General Dynamics Corporation, shown receiving honorary degree of Occidental College last month from President Arthur G. Coons, right, and Dr. Glenn S. Dumke, dean.

F-102A 'Mugs' Obediently For High Flying Camera

When it comes to posing for pictures, the Convair F-102 is as accomplished as any Hollywood star.

That's what Convair cameramen seem to think after shooting hundreds of feet of film of the supersonic Air Force interceptor, both in test flights and on the ground.

Ground shots are easy and flight movies are normally shot from the cockpit of a two-place jet. Each new model (the F-102 and F-102A) is subjected once to the full "still camera" treatment while in flight. This calls for a novel arrangement involving a World War II bomber. The airplane is an Air Force B-25 with the aft end of the fuselage (which once housed a gun turret) removed. This leaves an exposed but perfect position for making aerial shots with a still camera.

"Actually, it isn't as daredevil as it may seem, since we are well braced and wear parachutes," said Convair SD photographer Bob Herrmann who made most of the F-102A aerial shots.

The F-102A flight assignment called for a pre-takeoff huddle with Herrmann, M. C. Terry, Convair F-102 test pilot, the Air Force B-25 crew, and photographer Walt Gault taking part. Routes, altitudes and signals were discussed along with the best angles for pictures.

Once the huddle was over, the B-25 took off to climb to the rendezvous point, while Hermann wiggled into his position and Gault donned intercom equipment and prepared to feed film and the four cameras to Herrmann.

Because of the F-102's speed, it was necessary for the B-25 to take off a half hour or so in advance, to give it time to reach the proper altitude. Herrmann recalled that he and Gault used the time to check their four cameras, don intercom equipment and squeeze into their positions.

"In the air the F-102 makes a hard target to spot," Herrmann commented. "I caught a flash of it as it streaked up toward us, but when Terry leveled her off about a mile behind us the plane was hardly visible, except that I could pick out the exhaust stream."

When Terry caught up with the B-25 he had throttled back to the B-25's top speed (about 220 miles an hour).

"Even at this comparatively slow speed the F-102 appeared to handle as easily as could be," Herrmann continued. "In response to my hand signals Terry banked, turned, moved in close and dropped back, all with perfect precision and no strain."

Herrmann was too busy shooting first one angle and then another to remember the flight route. However, photographs showed a variety of background. Some had snow capped mountains (High Sierras) and others showed desert floor (Antelope Valley).

French Air Industry Men Tour Convair FW

Two French aircraft industry men got an insight into American production methods last month when they toured Convair Fort Worth.

They were Georges Glasser, president of the Societe Nationale de Constructions Aeronautiques Sud-Ouest, and Marcel Mattone, permanent representative for that organization in the United States.

They toured the plant and discussed problems of development production of modern combat planes with J. Y. McClure, manager of quality control.

Plant 2 Dept. 203 Tops In Cost Reduction

Dept. 203 (welding-heat treat) at Plant 2 moved to the front in the monthly Cost Improvement Program at Convair SD during March. Ratings are based on the number of Employee Suggestions and Cost Improvement Proposals submitted and approved.

Tool Group Inspects Lockheed Facilities

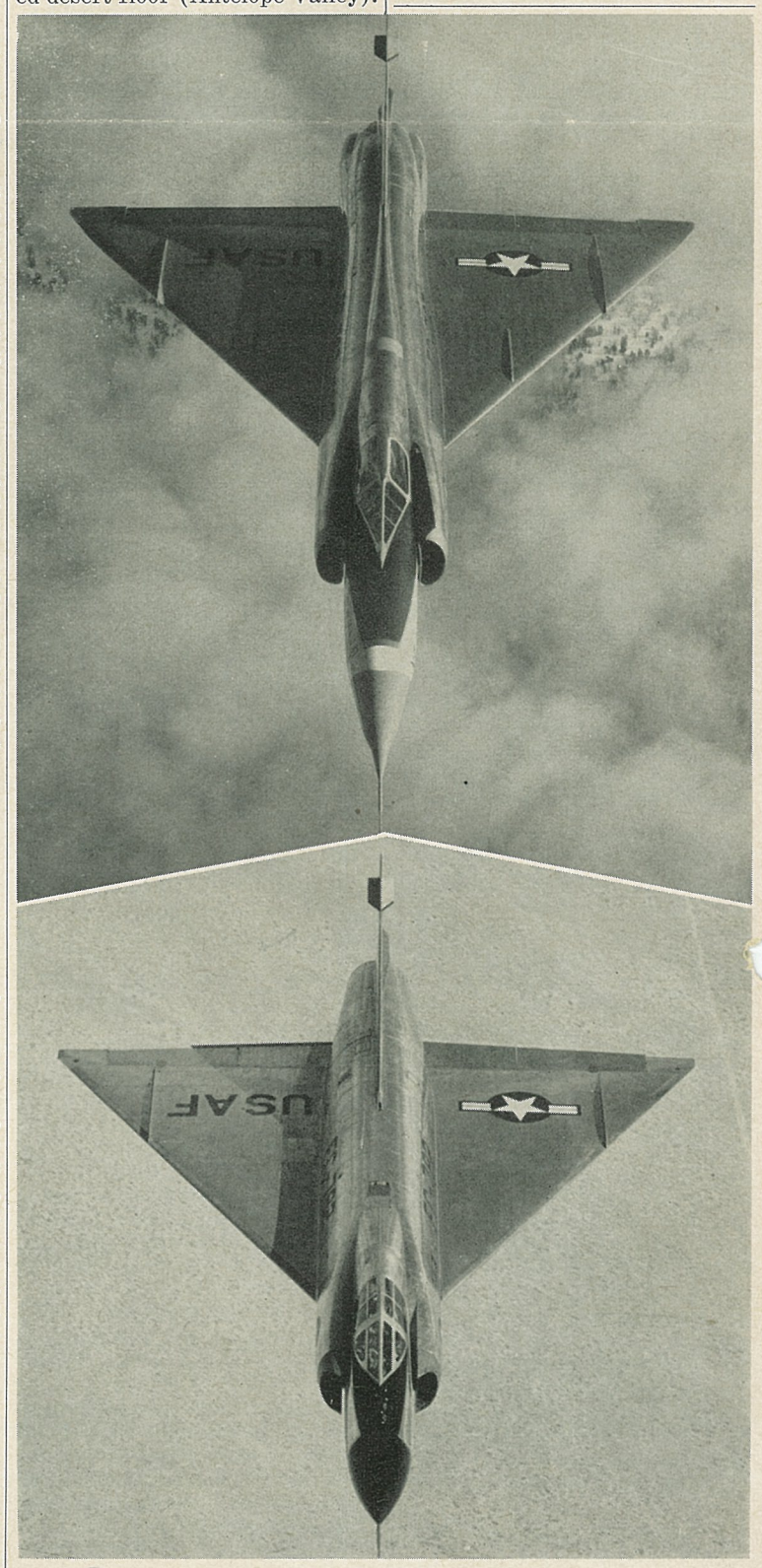
Thirty one members of Plant 1 tool manufacturing supervision at San Diego flew by chartered plane April 23 to Los Angeles to spend four hours inspecting tooling facilities at Lockheed, including the "Hall of Giants." Supt. R. S. Watt led the group.

Another tooling trip is scheduled for May 20 when a similar group will go by bus to Fontana to inspect the Kaiser plant there.

IAS Section to Hold Annual Spring Dance

San Diego Section, Institute of the Aeronautical Sciences, will hold its annual spring dance this year in form of a "Holiday Hop."

Scheduled for 9 p.m. May 14 at the IAS Building, Harbor Drive, the informal affair will feature the music of Francis Leonard and his orchestra.



Top photo of these two is of the F-102A, while the lower picture shows an earlier version of the interceptor destined as the U. S. continental defense weapon.

Convairiety

Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

Vol. 8, No. 10 — Wednesday, May 18, 1955

San Diego EDITION

BULLETIN!

See page 6 for details on "Globe Theater Night" for Convair families.

Box Score

Number of eye injury cases requiring a doctor's attention:

	SD	FW	Pom.
January	2	9	2
February	0	9	1
March	3	2	1
April	0	11	3
May (to date)	3	0	3

SCHOLARS—Convair SD last week congratulated two sons, winners of undergraduate scholarships. At left are K. A. E. Knudsen, tool designer, and son Ronald, while at right are B. R. Hatcher, design engineer, and son Burrell. Center are SD Manager B. F. Coggan and D. C. Wilkens, manager of industrial relations. Boys are pointing to points on globe where they expect to attend school next fall.

Convair Slates Deliveries on New 340-Bs

Deliveries will start within a year on a new series of Convair-Liners, designated the model 340-B, Convair announced this month.

They will incorporate newly developed sound and speed improvements.

Eleven of the early delivery positions have been earmarked for Continental Air Lines, REAL S/A Transportes Aereos of Brazil and the U.S. Air Force.

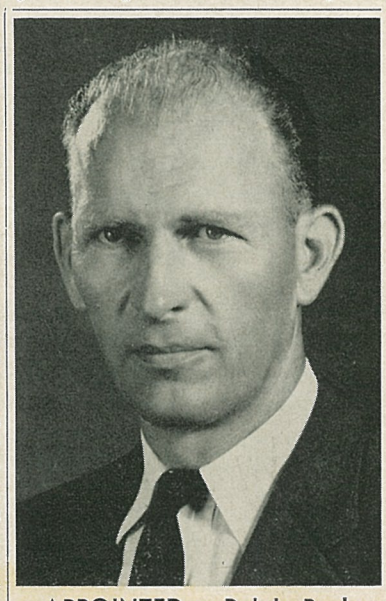
Continental, which now operates seven model 340s, has purchased three of the 340-Bs, Gen. Joseph T. McNarney, Convair president, said and REAL, which already owns six 340s, will receive two of the new airplanes.

Negotiations are in progress with other airlines, McNarney indicated.

Speed improvements, which have been developed over a period of time in a flight test program now in final phases at San Diego, will be among the changes in the new model. These are designed to raise both payload and cruising speed. Further, the new ships will include improvements in sound which give the Convair-Liner the quietest passenger cabin of any contemporary American transport.

Speed and sound improvement kits also will be available to present users of 340s.

Deliveries are scheduled for February through May of 1956, McNarney said; and W. S. Stroud, project administrator, reported that under present plans the new ships will be run through the C-131B and R4Y line in Building 2, San Diego.



APPOINTED — Ralph Bayless, who next month will take over as chief engineer at Convair San Diego.

Ralph Bayless Named New SD Chief Engineer

Ralph L. Bayless has been appointed chief engineer of Convair San Diego, effective June 1.

He succeeds Frank W. Fink who has left the company to join Ryan Aeronautical Co.

Bayless, formerly assistant chief engineer in charge of research and development, will be succeeded by Adolph Burstein, previously chief development engineer. Frank Haas will move up to that post.

Bayless has been with Convair since 1936. A native of Indiana, he graduated from the University of California in 1930 and spent six years as an aeronautical engineer for the U.S. Air Force at Dayton. Since joining Convair he has been intimately associated with the design and development of many famous Convair aircraft. In wartime he was aerodynamicist on the PBY Catalina, and the PB2Y-3 Coro-

(Continued on Page 2)

Convair Scholarships Awarded to Five Sons

Winners of five Convair undergraduate scholarships, two at San Diego, two at Fort Worth and one sponsored by Pomona and Daingerfield, were announced this week.

Awarded following a competition among Convair sons who plan to pursue college studies in engineering or an allied science, they provide for payment of all tuition and laboratory fees and $250 divided between two semesters.

Winners at San Diego were Burrell R. Hatcher, 18, son of B. R. Hatcher, design engineer for Convair for over six years, presently assigned to Plant 2; and Ronald Knudsen, 18, son of K. A. E. Knudsen, a tool designer, with Convair more than six years, currently in Dept. 524 at Plant 2.

Winners of the Fort Worth scholarships are Johnie Howard Herbert Jr., 18-year-old son of Johnie Herbert, assistant engineering publications supervisor; and Kenneth Lowell Whitt, 18-year-old son of R. L. Whitt, an assembler in electrical bench department.

Winner of the Pomona-Daingerfield scholarship was Joe Morris Davis, 18, son of Morris J. Davis, general machinist at Convair Daingerfield, who has been with the company nearly 10 years.

All were outstanding students during their high school careers and intend to take up some phase of engineering studies in college.

Young Hatcher will graduate soon from Pt. Loma High in San Diego and although he has been accepted for Massachusetts Institute of Technology at Boston may change in the meantime in

(Continued on Page 2)

Boost Forecast In Bond Buying During Drive

Although no figures were available immediately, encouraging results were reported last week in the current sign-up for purchase of U.S. Savings Bonds in $100 denominations by payroll deduction.

At the start of the drive 58 per cent at San Diego were buying bonds regularly. Sponsors hoped to boost this figure to near 75 per cent. However, the number of purchasers of $100 bonds has dropped substantially and sponsors hoped to raise membership of the "Five for Fifteen" Club (five dollars a week for 15 weeks) to a better level.

(Continued on Page 2)

Fifty Ball Tickets To be Distributed In Friday's Drawing

CRA will hold its third free baseball drawing of the year at Convair SD Friday (May 20) with 50 tickets going to lucky winners.

Five tickets each to the May 30, June 1-2-3-4 games (three to one winner, two to another) with Oakland and a like number each for the June 7-8-9-10-11 games with Seattle will be awarded.

All employees are eligible. Just write name, clock number, department and plant extension on a slip of paper and leave it in boxes located at employee services offices at both plants or Convairiety office, Building 32, Plant 1.

The drawing will be held at 3:30 p.m. Friday (May 20) and winners notified to pick up their tickets.

Daingerfield Facility Damaged in Blast

Several employees were injured and extensive property damage suffered May 2 in an explosion at the U. S. Navy Ordnance Aerophysics Laboratory operated by Convair near Daingerfield, Texas.

Employees involved suffered burns, but none was serious enough to require hospitalization. All returned to work the following day. The explosion apparently occurred when inflammable gas beneath the control room of a test cell ignited.

A damage estimate of $200,000 was announced by the 8th Naval District Headquarters at New Orleans.

Record Number of 15-Year Emblems Presented at SD

Between now and the end of 1955 Convair San Diego will award 15-year service emblems to almost 500 persons. This will bring the 1955 total to 656, nearly five times the number presented during all of 1954.

It will be an all-time record for recognition of service in Convair.

Already in 1955 Convair San Diego has presented in the neighborhood of 170 emblems of this category, about 35 more than were presented in the entire year 1944.

During June of this year 56 will become eligible, with 75 completing 15 years of service in July, 60 in August and a whopping 99 in September. In October the total is 85, November 43 and December 51.

Six of those who will receive pins during the balance of this year are women.

(To date in 1955 Pomona has awarded 10 emblems recognizing 15 years of service and the balance of the year will see the award of 20 more.)

H. E. Pasek, manager of employment at SD, pointed out that during 1940 (15 years ago) Convair (then Consolidated) expanded rapidly. The employment total at San Diego in January of 1940 was 3,845. The figure had jumped to 13,790 by December of that year. Vultee Field, meanwhile, was climbing from 1,493 in January to 5,382 in December, 1940.

Further reflecting the increasing numbers of veteran Convair men and women were the awards of more and more pins of 20, 25 and even 30 years service. During 1954 Convair SD recognized three in the 30 year category and since January of this year has recognized four more. During 1954 nine reached the 25-year mark and so far in 1955 there have been eight. Twenty-four 20-year service pins were presented during 1954 and there have been two more since January, 1955.

SD Management Club Voting Ends Tonight

Balloting closes with the end of the second shift tonight (May 18) in the annual Convair San Diego Management Club election of officers. Winning candidates will be installed at the Club's June meeting.

Volunteer Donors To Be Called Upon For Blood May 26

Volunteer donors from all departments in Building 1 at Plant 1 will help refill Convair SD's critically low blood reserve when the San Diego Blood Bank's Mobile Unit visits the plant May 26.

The current blood reserve is almost exhausted and 150 pints are needed to build it back to a working level. The reserve is maintained for the use of San Diego employees and members of their families without charge.

Next scheduled visit of the mobile unit will be in July.

Emergency Brings Quick Help at SD

Convair SD employees came quickly to the aid of a Convair family in distress late last week through action of their Con-Trib-Club's Emergency Aid office.

Fire completely destroyed the home of Walter Duvall (Dept. 31 second shift) Thursday night. His wife and three children were rescued from the burning building by neighbors with one child suffering second degree burns. The family's personal belongings were completely destroyed.

Emergency Aid arranged for a house for the family and presented them with a small check for their immediate needs until a thorough check could be made of future requirements, all before 10 a.m. Friday.

CRA Buys the House For Globe Theater Show June 14 at SD

Sponsored by the CRA Women's Council, June 14 will be "Globe Theater Night" at San Diego. All tickets for that night's performance of "Caught in the Act" have been reserved for Convair wives and husbands and will be available at substantially reduced rates through employee services.

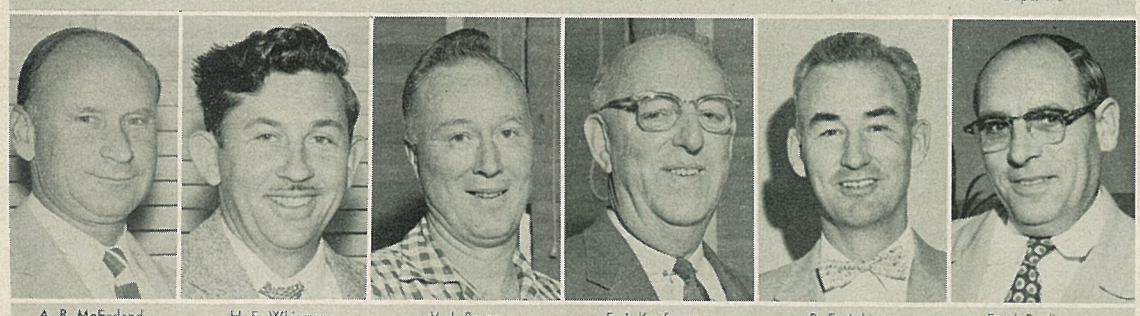
Tickets will go on sale next Monday (May 23).

"Caught in the Act" is the theater's annual musical revue, featuring local (San Diego) scenes and situations, and has been a smash hit every season.

★ ★ Log Book Entries ★ ★

New wearers of 15-year service emblems are pictured below.

D. H. Bennett, Dept. 6 | R. M. Grise, Dept. 52 | N. M. Monteith, Dept. 401 | G. R. Jacob, Dept. 10-1 | R. H. Tank, Dept. 406 | Lewis Grant, Dept. 9-5



A. B. McFarland, Dept. 6 | H. F. Whisman, Dept. 31 | V. J. Berger, Dept. 524-2 | E. J. Kaufmann, Dept. 603-7 | R. F. Ashe, Dept. 9-5 | Frank Pagliuso, Dept. 115

Service Emblems

SAN DIEGO

Service emblems due during the period May 16 through May 31:

Twenty-five year: Dept. 206, J. J. Panfil.

Twenty-year: Dept. 6, B. J. Simons.

Fifteen-year: Dept. 3-4, M. V. Wisdom. Dept. 6, J. J. Beckman, P. S. Smith, W. A. Traxler, K. E. Ward. Dept. 31, Joseph Darwell, C. G. Goatley Jr. Dept. 55, W. H. Crouch. Dept. 60, C. F. Hagata.

Dept. 70, V. G. Reid, C. E. Rice. Dept. 101, Dante Selvaggi. Dept. 204, F. M. Baxter. Dept. 230, D. E. Knapp Jr. Dept. 300, L. F. Buczynski, R. R. Puterbaugh. Dept. 401, R. C. Monson. Dept. 403, D. V. Neece. Dept. 406, R. W. Gluyas, C. W. Shoupe, K. M. Vesock. Dept. 603, F. N. Oden, H. L. Slack.

Ten-year: Dept. 1-14, A. P. Fontaine. Dept. 6, L. B. Cazort, R. W. Streed. Dept. 25, A. E. Ward. Dept. 31, A. R. Boyd, M. F. Gilstrap, H. A. Yetman. Dept. 46, R. L. Sanders. Dept. 55, Antonio Chavez Jr.

Dept. 72, G. G. Bagri, H. J. Wallendorff. Dept. 101, Ernest Williams. Dept. 102, A. L. Touchet. Dept. 110, Herman Pankau Jr. Dept. 210, A. A. Van Wormer. Dept. 212, E. T. Burgess. Dept. 225, E. L. Larson. Dept. 250, Mildred B. Mundt. Dept. 301, Anthony Oliver. Dept. 406, A. B. Newman Sr.

Five-year: Dept. 6, W. H. Casselberry, G. W. Files, O. G. Ross, D. H. Scott, J. P. Shelley. Dept. 12, U. S. Johnson, P. R. Leitner. Dept. 22, J. R. Emrick. Dept. 24, R. J. La Madrid, A. M. Swerdloff, R. B. Ziesler.

Dept. 25, B. A. Barrigan, D. L. Dunlap, D. L. Ferrin, W. H. Herth, C. C. Kenney, J. C. Kurtz, J. E. Hittle, H. B. Payne Jr., V. C. Somers, M. L. Thompson, H. A. Ward.

Dept. 37, C. S. Johnson, R. M. Trease. Dept. 55, J. D. Bradley. Dept. 56, T. O. Shasteen. Dept. 70, J. L. Arrollado, Christine Bussey, B. D. Marries, Marilyn G. Sorcinelli. Dept. 101, O. D. Lively. Dept. 102, H. F. Dempsey. Dept. 115, E. H. Mass. Dept. 204, J. R. Murillo. Dept. 205, J. W. Palmore. Dept. 206, A. R. Sullivan.

Dept. 235, Marguerita A. Lopez, W. E. Rainbolt. Dept. 250, Esther S. Christianson, R. J. Hay. Dept. 252, J. H. Hadzor. Dept. 258, Dorothy M. Birse, Lilah W. Duffey, J. W. Todd. Dept. 300, C. R. Alexander. Dept. 522, W. T. Burch Jr. Dept. 524, H. W. Durfey. Dept. 603, C. H. Bishop, William Johnston.

POMONA

Ten-year: Dept. 11, James D. Wood.

Five-year: Dept. 63, Reathia L. Brookes.

Births

SAN DIEGO

ARELLANO—Son, Raymond, Jr., 6 lbs. 10 oz., born May 6 to Mr. and Mrs. R. R. Arellano, Dept. 101.

BEATTY—Daughter, Pamela Susan, 7 lbs., born March 13 to Mr. and Mrs. William H. Beatty, Dept. 46.

KREISLER—Daughter, Linda Rose, 7 lbs. 11 oz., born April 8 to Mr. and Mrs. Robert Kreisler, Dept. 6.

NEWELL—Son, Edward Thomas, 10 lbs., born April 28 to Mr. and Mrs. Harold F. Newell, Dept. 407.

SUGG—Son, Jeffrey G., 8 lbs. 1 oz., born March 12 to Mr. and Mrs. J. G. Sugg, Dept. 28.

SULLIVAN — Daughter, Jacqueline Marie, 8 lbs. 3 oz., born May 5 to Mr. and Mrs. James Sullivan, Dept. 31, Ramp.

EDWARDS AFB

WILSON—Daughter, Vicki Jean, 9 lbs. 15 oz., born April 21 to Mr. and Mrs. Mickey Wilson.

POMONA

SHARKEY—Son, David Brian, 6 lbs. 10 oz., born April 18 to Mr. and Mrs. Bill Sharkey, Dept. 4.

Lost & Found

SAN DIEGO

LOST—Ladies' glasses, pink frame, tan leather case, May 6 between engineering parking lot and Bldg. 5. Contact Ruby Longino, CY 8-1613.

Awards

SAN DIEGO

Employee Suggestion awards totaled $1,045.75 for the weeks ending April 21 and April 28:

Dept. 6, Engineering: R. F. Summers, $10.

Dept. 9, Controller's: N. V. Hixson, $10; D. W. Whaley, $15.

Dept. 10, Industrial Accounting: M. L. Botner and H. L. King, $7.50 each; M. W. Friedman, $15.

Dept. 11, Contracts: V. S. Burch, $100 (partial payment).

Dept. 24, Tooling: W. J. Morrow, $21.75.

Dept. 25, Plant Engineering: W. P. Brennan, $10; R. E. Volle, $10; R. Young and S. Stokes, $10 each.

Dept. 27, Quality Control: W. K. Hardy, $22.50.

Dept. 31, Experimental: J. G. Flaharty, $10; G. L. Lovelady, $15; A. A. Martin, $150.

Dept. 37, C-131B Final Assembly: E. L. Risner, $20.

Dept. 40, Model 8 Components: L. W. Cook, $10.

Dept. 52, 340 Wing: E. Dworak, $5; R. C. Hernandez, $5; F. P. Lessle and R. C. Myatt Jr., $11 each; F. P. Lessle, $5.

Dept. 55, 340 Fuselage: P. J. Aslin, $5; G. W. Baptiste, $15; D. E. Brown, $5; C. N. Humphreys, $5; S. Palo, $5.

Dept. 56, 340 Primary: W. R. Kurz, $15; A. J. McDonough, $5.

Dept. 60, Model 8 Wing & Tail: C. M. Kerby, $5.

Dept. 70, Model 8 Fuselage: C. Acevedo, $10; J. L. Arrollado, $20.50; E. L. Bernier, $5; R. R. Butchart, $22.50; J. W. Fish (two awards), $20; E. Hofmann, $16.50; C. H. Jorgensen and R. F. Haight, $5 each; R. E. Reeves, $18; J. T. Smith, $5.

Dept. 101, Sheet Metal: L. Blackwell (two awards), $22; S. D. Radford, $15.

Dept. 102, Sub-Assembly & Processing: N. J. Cardwell (three awards), $39.25; F. Everett, $5; E. Fountain, $10; T. C. Peacock, $5.

Dept. 203, Welding: W. T. Curtis, $5; F. E. Hitchcock, $15; B. T. Hutto, $15.

Dept. 205, Metal Forming: C. D. Lane, $10.

Dept. 215, Machine Shop: B. J. Alarid Jr. (three awards), $34; M. E. Gagnon, $5; R. C. Leischner (two awards), $25.

Dept. 303, Model 8 Flight Test Operations: B. E. Ryan, $11.

Dept. 355, Fabric & Tubing: N. T. Maisheff, $23.50.

Dept. 375, Electronics: M. Bernstein, $25.25.

Dept. 406, Plaster Pattern Shop: J. H. Crockett. $5; P. L. Underwood, $16.50; W. E. Woodward, $15.

Dept. 407, Perishable Tool Cribs: A. E. Scholz, $10.

Dept. 410, Purchasing: R. C. Van't Hof, $33.50.

Dept. 603, Tool Manufacturing: D. A. Butler, $22.

POMONA

Employee Suggestions for the period ending April 29, 1955 totaled $694.50. They were:

Dept. 6, B. E. Yehnert, $145.00.

Dept. 27, R. W. Dickinson, $250.00; M. Sklut, $15.00.

Dept. 31: E. Greenthal, $15.00; W. S. Siorek, $14.00.

Dept. 51: P. J. Wallrabenstein (2 awards) $117.50; D. A. Wright, $20.00.

Dept. 62: C. R. Mitchell, $65.00.

Dept. 72: P. K. Nicholson, $10.00; B. J. Watts, $28.00.

Dept. 73: G. L. Parker, $15.00.

C.I.P.'s for the same period were:

Dept. 22: A. J. Beauvais, R. D. Liles.

Dept. 24: T. A. Byres.

Dept. 25: L. R. Wharton (2 awards).

Dept. 27: R. E. Bruce.

Deaths

SAN DIEGO

BRADLEY—John Clifton, Dept. 70. Killed in motorcycle accident May 7. Survived by parents, Mr. and Mrs. John Bradley; sister, grandparents.

SNYDER—Dale J., Dept. 31. Died April 28. Survived by wife, Mrs. Elsie D. Snyder; two sons, Hadyn and Kenneth Snyder (Dept. 31), four grandchildren.

Personals

SAN DIEGO

Our sincere thanks and appreciation to all of our Convair friends, especially inspectors, IAM Lodge 1125, and Boyd Bahlmann, Dept. 70, for the beautiful flowers and cards I received while I was in the hospital. Your kindness will always be remembered.

Pauline Rojas, Dept. 528
Lilo Rojas, Dept. 70

POMONA

I would like to thank all the Convair employees who were so kind in the recent passing of my father, Frank Perricelli, Sr. I also would like to thank those who sent flowers and cards.

Frank Perricelli, Jr.

* * *

I would like to thank my fellow employees and especially the Con-Trib-Club for all their help in my recent illness.

Clarence Drum
Dept. 51

* * *

I want to thank all the thoughtful people at Convair Pomona for all the get well cards I received while I was in the hospital, and to the girls in Bldg. 1 who brought me such a lovely gift. So may I say thanks to one and all? It sure helped a heap.

Edna Boor
Dept. 25

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective May 2:

Dept. 6, Engineering: To chief adm. engineer-MX1593, H. L. Ellsworth. To flight test group engineer, K. W. Jeremiah.

Dept. 8-5, Facilities Control: To engr. equip. and special projects supervisor, G. H. Greim. To chief of facilities control, C. E. Hunter.

Dept. 9-5, Estimating: To estimating supervisor, L. Grant.

Dept. 10-2, Plant 1 Timekeeping: To timekeeping asst. supervisor, H. J. Woods.

Dept. 25, Plant Engineering: To asst. superintendent of maintenance, R. F. Missman. To general foreman, W. H. Marshall. To foreman, S. J. Fortunato. To asst. foreman, C. D. Saxon.

Dept. 300, Field Operations: To foreman, W. Heinold, D. W. Williams.

Dept. 528-8, Receiving Inspection: To inspection asst. supervisor, C. G. Tefft Jr.

POMONA

Effective April 18:

Dept. 10, Budgets: To manager of budgets, P. H. Simon.

Effective May 2:

Dept. 6, Engineering: To design group engineer, P. S. Reid.

College Scholarships Awarded to Five Sons

(Continued from Page 1)

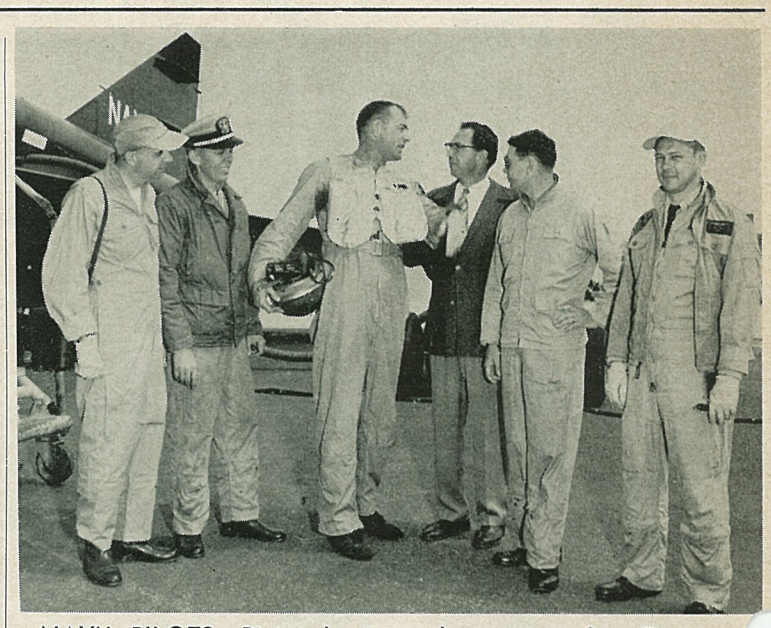
favor of CalTech. He was a member of the San Diego schools ROTC "honor squad," named "outstanding cadet" at Pt. Loma and has been a "ham radio" leader for years. He will study electrical engineering.

Young Knudsen will graduate this spring from Chula Vista high where his majors were in science and mathematics. He won the Bank of America "mathematics award" and plans to study engineering and electronics at CalTech this fall.

Young Davis, a senior at Daingerfield High and president of his class, will enter the University of Texas this fall to study aeronautical engineering. An athlete (center on the basketball team) besides being a scholar in high school, his interests have been in building model airplanes.

The scholars were selected after scrutiny of school records and personal interviews by committees set up at each plant.

Scholarships normally will continue for four years, providing the students continue to meet requirements.



NAVY PILOTS—Pictured at seaplane ramp, San Diego, are members of Navy team that tried out Sea-Dart recently. Left to right: Lt. Cdr. R. N. Decallies, flight test engineer; Lt. Cdr. E. R. Horrell, pilot; Cdr. H. C. Weart, pilot and team leader; F. H. Sharp, Convair project engineer for XF2Y-1; Cdr. U. L. Fretwell, pilot; Lt. Cdr. P. R. Beck, BuAer representative.

Ralph Bayless Gets New Post

(Continued from Page 1)

nado, the B-24, PB4Y-2 and B-32. He handled initial design work on the XB-36 and the XC-99 and in 1944 he became chief of aerodynamics at SD with important contributions to models 240 and 340 and successors.

Most recently he has been closely identified with the development of the F-102 and the XFY-1.

Burstein, new assistant chief engineer, research and development, has been with Convair for 15 years and has played key research roles in maintaining Convair's engineering leadership. He was one of the first to advocate the delta wing which Convair pioneered in the XF-92 and currently the F-102 and the Sea-Dart. He joined the Stinson Division in 1940, went to Downey as project engineer and later chief design engineer, shifting to San Diego in 1947 as chief technical engineer.

Adolph Burstein

Burstein is a graduate of New York University.

Haas came to Convair in 1939 as a structures engineer after a period with Boeing following his graduation from Tulane University. He served as assistant project engineer and project engineer and in 1952 became chief of preliminary design.

* * *

F. A. Monahan this month was named manufacturing and development coordinator at Convair SD.

F. A. Monahan

He first joined Convair at the Pomona Division in 1951 as design specialist in charge of guided missile producibility design, transferred to San Diego in 1952 as assistant to the vice president of manufacturing.

In the new position Monahan will coordinate research and development activities in tooling, quality control and engineering departments.

PROMOTED — Right above, Vern Sharp, new assistant chief plant engineer at San Diego, and at left, J. W. Vint, SD's new maintenance superintendent.

CHECKOUT—Cdr. H. C. Weart, a few minutes after this picture was taken, became first Navy pilot to fly Convair Sea-Dart. At right is John Zimmerman of inspection.

Two 'First Flights' Scored at San Diego

Cdr. H. C. Weart, USN, recently became the first Navy pilot to fly the Sea-Dart and shortly afterwards John Knebel, Convair engineering test pilot, became the second pilot to fly the XFY-1, world's first vertical takeoff plane.

Both events were at San Diego.

Weart was in San Diego with a team of visiting Navy pilots, all of whom later checked out in the delta wing Navy fighter that uses skis for landing and taking off on water (Pictures on Page 2.)

Knebel now joins J. F. (Skeets) Coleman as the only men to fly the XFY-1. After several weeks of training, he took the ship to a vertical position over Lindbergh Field last week. He is expected to make several more vertical flights before making the transition to horizontal flight.

Boost Forecast For U.S. Bonds Buying

(Continued from Page 1)

The U.S. Treasury Department is urging the purchase of bonds of $100 denominations (rather than those of lesser value) in order to reduce paper work and handling which becomes a heavy governmental expense.

Results of last week's campaign, in which all non-buyers were solicited, will not be available for several days. However, early reports indicated a number of departments that had entered the 100 per cent class, and a substantial increase in the 90 per cent bracket.

New Field Office At Colorado Springs

Establishment of a new Convair field office at Colorado Springs, Colo., was announced recently.

L. K. Murray, formerly of the General Offices long range planning office, is the manager, reporting to J. G. Zevely, director of contracts and sales.

★ Convairiety ★

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SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (if no answer, call 6278). Staff: James Combs, Jr., Elizabeth McCuistion.

Try Out Atomic Power First in 'Underdeveloped Areas,' Hopkins Advises

Atomic power for "underdeveloped" countries was viewed last month in Los Angeles by John Jay Hopkins as a tremendous step toward world peace and possibly a shattering blow to the Communist ideological appeal.

"The quickest way to make atomic power available generally in our country is to make it available first abroad, and particularly in so-called 'underdeveloped areas,'" the chairman and president of General Dynamics Corporation declared.

Hopkins based his reasoning on these main points:

First: though atomic power now would be too costly to compete with present power sources in the U. S., this is not true in many other countries where conventional power is extremely expensive. Atomic power would be definitely competitive, price-wise.

Second: industrialization with the help of atomic power will sharply raise the income of these countries and this will create major markets for American products.

Third: experience gained with atomic reactors abroad (manufactured and engineered with U. S. know-how) and the improvements that are bound to come will speed the day when it is feasible to make general use of atomic power in the U. S.

Lastly: the international industrial atom is a means of eventually placing our domestic nuclear industry on an independent basis, with all the increases in efficiency that result from competition and private enterprise.

Hopkins stated that industrialization has been held back in underdeveloped countries largely by the high cost of conventional fuel.

"Without power, industry cannot develop; without industry, living standards have little chance to improve. The logic of costs has developed a power vacuum in these nations which the atom alone can fill," he continued.

"Income in any country is directly proportional to power consumption. In 1946 the average Chinese—counting men, women and children—used the equivalent of 170 kilowatt-hours of energy from all sources, including his own muscles, and had an income of $22. His opposite number in Japan used 1,250 kilowatts and earned $114. . . . The American used 7,000 kilowatts, and the average income of every man, woman and child in this country was $508. . . . "

"Our per capita consumption of kilowatt energy in 1953 was 500 times that of Pakistan—more than 100 times that of India—30 times Turkey's—15 times Brazil's; ten times Peru's. . . . "

"Atomic energy is a great boon to mankind, not just a bane. Fire was dangerous, too, when it was first discovered. It was probably considered very destructive until men learned how to strike it from flint, and how to warm their hands over it, and how to extinguish it when they wanted to. . . .

"Now that the atom has been mastered technically, it is up to us to master it socially. . . . "

Hopkins foresaw "a massive atomic offensive against world poverty and misunderstanding" as resulting from industrialization of underdeveloped areas.

"The rapid development and export of peaceful atomic resources would remove much of the international friction which has bedeviled our world since the dawn of the 19th century.

"The concept of massive atomic creation, peaceful in purpose but revolutionary in effect, can bridge for all practical purposes the abyss between those who have and those who have not. By unlocking and sharing the secret of the atom, we might in due time reduce the difference between the 'haves' and the 'have-nots' to something like the present income ratio between the Americans and the British—say 4 to 3—rather than the ratio between us and the Chinese—say 25 to 1.

"The difference between East and West cannot be resolved by military means, by Marxian dialectic, or by the conference technique. A reconciliation of man to man can be effected only by bringing under human control the basic causes of difference—**fear and want, greed and hate.**

"Thus, by wiping out the problems which Marxian claims that it alone can solve, we may shatter the heart of the Communist ideological appeal in Asia and Africa, in Indonesia, Indo-China, China, India, and Arabia. . . .

"It must be our task, not to conquer the world, but to help the world win a new and better way of life. . . . "

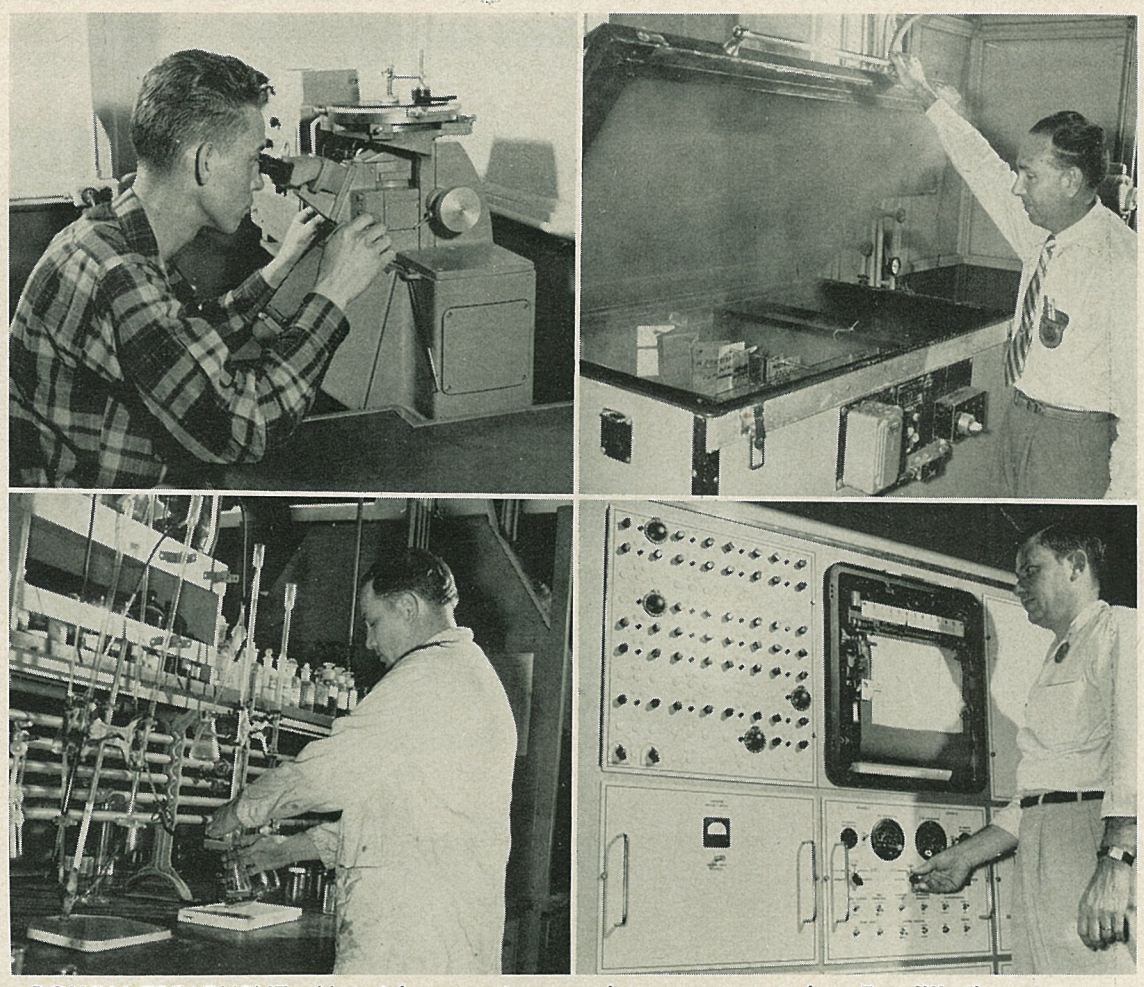
Director of Auditing Conference Speaker

H. Ransom Taylor, Convair director of auditing, this week spoke before the International Conference of the Institute of Internal Auditors in Boston, Mass. on "Effectiveness of Internal Auditors." Taylor, associated with Convair for more than 12 years, was founder and first president of the San Diego Chapter of the IIA.

IAS to Hear Talk on Milling Processes

San Diego Section members of the Institute of the Aeronautical Sciences will hear a discussion on new chemical milling processes at their 8 p.m. meeting tomorrow (May 19) at the IAS Building, Harbor Drive. Speaker will be Frank L. Bailey, sales manager of the Chem-Mill Division, Turco Products, Inc.

"Today being your day off, I thought I'd pack your lunch pail and we could go to the park . . . "



ROUGH TREATMENT—Materials get going over by process control at Fort Worth, to spot any defects. Top left, Earl Rubush peers into Metalograph that magnifies up to 2,000 times. Top right, Chief Chemist S. Witkoff examines specimens in corrosion test. Lower left, Chemist J. Guy checks solutions used throughout FW plant. Lower right, Bill Gray uses machine to determine defects present in material under test.

Testers Give Materials 'The Works,' Paving Way For B-58 Manufacture

Making old parts out of new ones—by "accelerated corrosion"—is one of the stranger jobs involved in coming up with a new supersonic bomber at Convair Fort Worth.

That particular job is one in the process control department, where analysts, test mechanics and chemists use all types of laboratory equipment to keep a continuous check on two things:

One, the metals that go into the B-58; and—

Two, all the non-metal processes to be used on the plane.

"Making old parts out of new ones" is part of the testing of the chemical section to assure that the new bomber, when it rolls off the production line, won't suffer if it operates over the salt water of the ocean.

In the words of S. Witkoff, FW chief chemist:

"Our work is typical of any advanced chemical laboratory. In these particular tests, we use a special tank in which we simulate the atmosphere over the ocean. Since salt spray corrodes most metals, we've got to make certain that we use metals which resist corrosion.

"In a week, we can subject parts to as much corrosion as they would get on an airplane in five years.

"We've got to make sure that the plane and its parts will stand up under the worst possible conditions. Then we know it will be **superior** under better conditions."

Further checks of the metals—such as aluminum alloys and the new "glamor" metal, titanium—are made by process control's metallurgical section under Fred Stanley, chief.

"Our job," says Stanley, "is to make sure that whatever metals we use are the best for the particular job to be performed. Sometimes that's aluminum, sometimes titanium, sometimes steel, for instance.

"We determine physical properties, make chemical analyses and check how metals respond to heat."

Tests on heat are especially important, since for the first time Convair Fort Worth will be building an airplane which operates faster than the speed of sound. And the friction encountered by a plane flying at supersonic speeds generates terrifically high temperatures.

Earl Weiher, chief of process control, puts it this way:

"Our big job is to make sure we supply the Air Force with the best possible product at the most economical cost."

To do this, process control uses a vast array of elaborate laboratory equipment. This includes everything from a test tube to thermometers, metalloscopes, quantometers and the like.

The metalloscope, for instance, is a means of analyzing substances by magnification. Most magnification done in medical work is of the order of 500 times. But the metalloscope magnifies up to 2,000 times.

"Lab workers, by inserting a small piece of metal, can tell if it is properly sound, and if it has been properly heat treated," explained Stanley.

In addition, there is a built-in camera if a permanent record is necessary.

The quantometer is another valuable tool. With this, a lab worker can tell in a matter of seconds exactly what elements make up a given piece of material.

"More and more we're going to use electronic equipment such as this," said Stanley. "It is almost always more efficient and highly accurate."

Knaplund Speaker at Engineering Society

Paul W. Knaplund, IBM technical representative at Convair Fort Worth, was principal speaker at the annual Engineering Society dinner May 4 at Arlington State College. About 300 guests attended. Knaplund is a data processing machine specialist.

Convair Efficiency Recognized In Post Article on B-36 Work

Convair Fort Worth gets a nation-wide pat on the back in the May 21 issue of the Saturday Evening Post which hit the newsstands yesterday (May 17).

Its atomic powered aircraft program gets a plug, as well. The article is by Hugh Morrow and is titled, "The Most Air Force for Your Money." It says, in part:

" . . . B-36 tools, dies and jigs were being moved out of the factory, and tooling was starting for production of the B-58, the first supersonic bomber and still a very secret item.

"There were plenty of B-36s around the factory, however, for Convair is servicing, maintaining and updating the B-36 fleet, around 50 airplanes at a time, even though the original building job is complete.

"In another screened-off area, atomic radiation tests were being conducted with parts of the first B-36 seeing service once more in airframe experiments looking to the day when aircraft will fly with nuclear fission engines.

"And in a room filled with that frightening electronic equipment that has a memory, thinks and even gets neurotic, engineers were 'flying' the B-58 by mathematical calculations much too complicated to bother your pretty head about, Imogene . . . "

In another section, Morrow refers to Convair's efficiency in building more and more B-36s for less and less money:

"How well they have succeeded in this may be illustrated by the case of the last two B-36 production contracts.

"Funds are allotted to contracts on the basis of an estimate of what the final bill is likely to be. More often than not, there is an overrun—that is, the allowable cost turns out to be more than the allotment—in which case it takes some scrounging for more money.

"But on the last two B-36 contracts, there was an **underrun** of more than $62,000,000—due entirely to Convair's savings and efficiency, with no cutback in the number of planes."

"Due to the large number of commercial announcements we are going to dispense with the entertainment."

SPEEDSTER—Bert Parker of Convair SD with model cruiser he expects will produce speeds of two miles a minute or faster.

Four-Footer

Model Cruiser To Hit 30 Mph

Bert Parker of Convair SD has combined a hull design over half a century old and an imported one cylinder engine to build a model cabin cruiser capable of speeds in excess of 30 mph.

Parker (Dept. 406) borrowed a design perfected by his grandfather, a master shipbuilder, and passed down from father to son. It features indented planking from the gunnels to the keel with each plank set back a fraction of an inch. This system, plus a drop stern, allows water and air to pass through the grooves as the boat travels over the water.

"We clocked the model at 25 mph on a test run and feel that it will do 35 mph easily as soon as we have installed a new propeller and rudder," Parker said.

He and his sons (one is now in the Air Force, the other in the Navy) started the model some years ago when Parker was a shipbuilder and commercial fisherman in New Jersey. Parker recently completed it alone.

The entire 46-inch model is handmade from the oak keel to the mahogany trim and cedar deck. Cabin windows are fashioned from plexiglas and the hardware will be either chrome or brass. The one cylinder gasoline power plant was sent to Parker by his son in Japan.

Next on the agenda at the Parker household is a 22-foot cruiser of the same design.

WILKENS SPEAKER

Trends in labor relations were discussed last week by D. C. Wilkens Jr., manager of industrial relations at San Diego, before the San Diego Chapter, National Assication of Cost Accountants.

GAY—That's the word for paint job applied to Tahitian outrigger built by Preston Hibbard and La Mar Alison of Convair SD. Hibbard, an accomplished artist, is shown above with novel craft.

Tahitian Fanfare Marks Launching Of Outrigger Built by SD Pair

No luxury liner was ever launched with more impressive ceremonies than those afforded a 10-foot Fiberglas Tahitian outrigger built by Convair San Diego's Preston Hibbard, Dept. 522.

Hibbard and about 20 friends tossed a real native festival at La Jolla Cove May 7 in honor of the launching. There was a "witch doctor," eight native drums, dancers and an honor guard, all appropriately costumed in Tahitian manner.

A gallery of about 400 watched from the cliffs along the Cove, attracted by advance publicity and a march to the beach with drums throbbing.

Unfortunately, the ceremony was marred when a wave caught the small craft broadside about 20 feet from shore, filling it with water and forcing Hibbard, fully clothed, to "abandon ship."

"This really pleased the crowd and I allowed myself to be rescued by a group of friends," Hibbard said. (Actually he is an accomplished skin diver and excellent swimmer).

Hibbard and La Mar Alison (Dept. 70) designed and built the boat. It contains five airpockets and can't be tipped or sunk. The gunwales, rudder and outrigger supports (a forked tree limb) are of wood, the mast and boom of bamboo, and the rest is Fiberglas. The boat can be used with sail (a main and jib brightly painted) or paddled. Even the paddles are decorated with Tahitian designs as are the other parts of the boat. The entire rig weighs about 40 pounds.

"Alison is working to complete his boat now and may build a few others for people who like the design," Hibbard said. "I plan to use mine in skin diving and boating near shore."

CLEAN SWEEP—This month at San Diego Dept. 115 (under Gen. Foreman F. J. Eppich) and Dept. 110 (under Gen. Foreman A. H. Kimble) started third year without a housekeeping violation, a remarkable record. Left to right: Marie Whaley, Lester Carney, Eppich, Kimble, George Moore, Florence La Rochelle.

Weight Engineers Plan SD Convention

Three Convair SD engineers were on hand at the May 2-5 national conference of the Society of Aeronautical Weight Engineers held at Fort Worth.

T. J. Moffett, A. C. Truex and Ed Benson represented Convair SD at the meeting which drew delegates from all major aircraft firms across the nation.

San Diego was selected as the site of the 1956 conference and the San Diego Chapter of the weights organization will handle arrangements.

Speed on Water

Ex-Motorcycle Racers Seeking More Thrills in Hydroplanes

Two Convair Fort Worth employees who like their racing the hard way—on water—will compete this weekend in hydroplane races in Fort Worth.

They're Tom Davis, Dept. 31 assistant foreman, and Jack Joerns, service engineer. The race is sanctioned by the Southwest Inboard Racing Association and sponsored by the Fort Worth Junior Chamber of Commerce.

According to Dan Gillard, chairman of the races, it promises to be one of the biggest events in the southwest.

"We've notified every inboard hydroplane owner in the country," said Gillard. "We already have entries from racers in Texas and Louisiana."

Competition will be held in 48, 136 and 266 cubic inch classes—all inboard hydroplanes.

Davis and Joerns will race in the 266 cubic inch class. Davis will run his sleek Fiberglas "Tom Cat" through the Lake Worth course. Joerns will race a boat owned by Guy Stratton, Fort Worth pilot for American Airlines.

"We've had some practice runs together," said Joerns. "And it looks like the competition will really be keen."

The 48 cubic inch boats are powered by Crosley engines. The 135 cubic inch boats use 60 hp V-8 engines and the 266 cubic inch boats use 100 hp Ford V-8 engines.

"Speeds are usually in the 100 mph class and up," said Davis. "That's plenty fast when you're on water."

Both Davis and Joerns have had their share of racing experience. Davis has a large collection of trophies he's won in motorcycle races. He's also won several boat races.

Joerns has had experience with cars and motorcycle racing and most recently with sports cars.

The races will be held at 2 p.m. on May 22 at Lake Worth near the Casino Beach.

Three Leaders In Housekeeping Perfect at SD

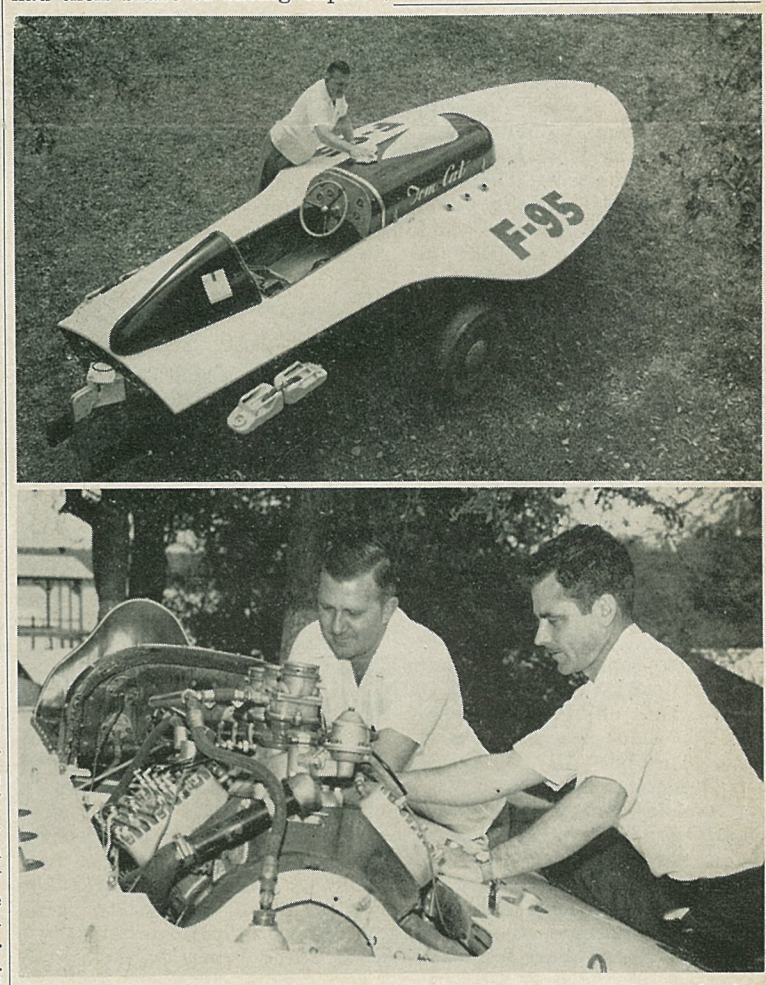
Good housekeeping had three leaders in the continuing contest at Convair SD during April as T-29 Final chalked up its fourth straight perfect month and gained a tie with fabrication departments at both Plant 1 and 2 for first.

A two-way tie for second was recorded by 340 major and final and field operations.

Plant totals for the month jumped from .012 violations per employee in March to .017 in April.

Average violations per employee

	April	March
Fabrication, Plant 1	.000	.019
Fabrication, Plant 2	.000	.001
T-29 Final	.000	.000
340 Major & Final	.004	.012
Field Operations	.004	.024
Tool Mfg., Plant 2	.008	.045
Plant Engineering	.011	.012
Mfg. Control, Plant 1	.015	.016
Mfg. Control, Plant 2	.016	.031
Electronics	.017	.000
F-102 Major	.023	.025
Material	.023	.000
T-29 Primary & Major-F-102	.027	.009
R3Y Major & Final-F-102	.030	.004
Experimental	.035	.000
Tool Mfg., Plant 1	.036	.000



ENTRY—In top photo Tom Davis, FW Dept. 31, slicks up hydroplane he will race in Lake Worth regatta May 22 with Jack Joerns, Dept. 6-5. Below they are shown checking souped-up Mercury motor.

Convairiety Story Puts Kelly Air Force Base On Track to SD's Novel Jet Arresting Barrier

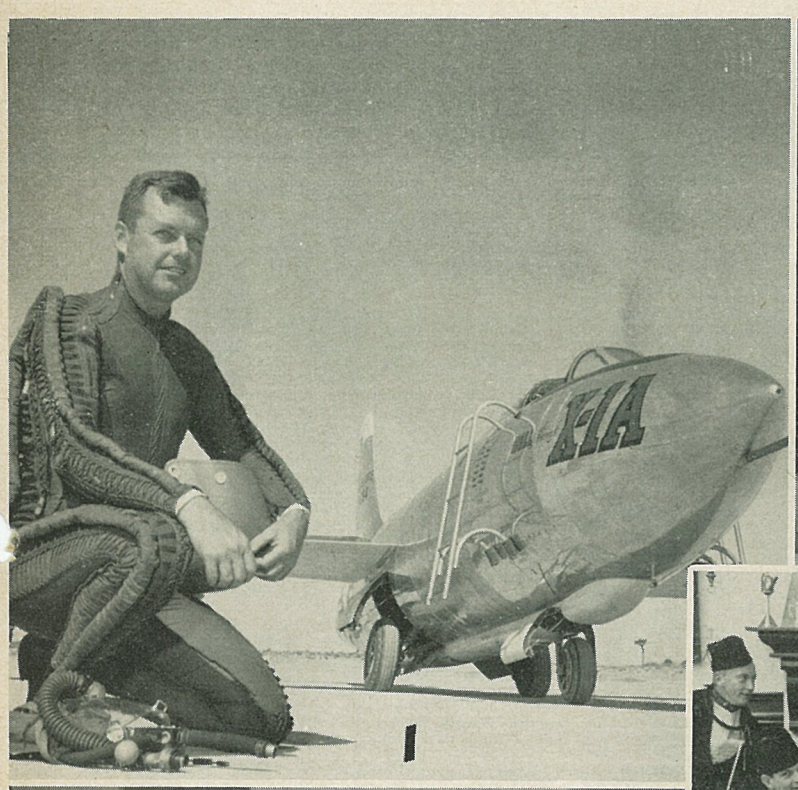
Kelly Air Force Base, Texas, is considering a "runway arresting barrier" similar to the one now in operation at Lindbergh Field, San Diego.

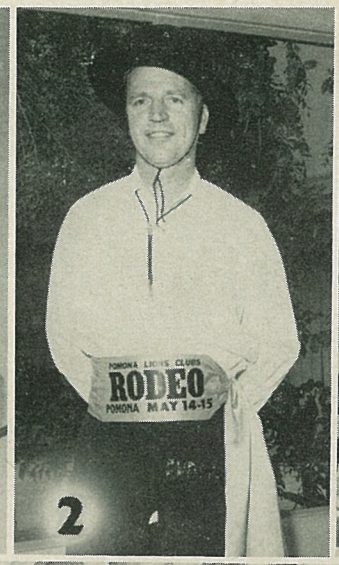
Joseph Dennis Jr., Convair field service engineer on duty at Kelly, reported recently that when the proposition arose Harper White of the SAAMA Management Control Office recalled seeing a **Convairiety** story (March 9, 1955) on the subject and subsequently obtained details of the San Diego installation from Convair.

Arresting barriers are designed to halt planes safely when in danger of running off the runway, as sometimes happens in aborted take-offs. The device is particularly important in view of the high speeds involved with jet aircraft when the failure of a drag chute or brakes could mean injury to pilot and damage to aircraft.

The barrier installed at San Diego for use when F-102s are making high speed taxi runs is unique in the nation. It involves a combination of the best features of barriers already in operation by the Navy and the Air Force and was designed by SD's plant engineering.

Convair Cameras, Far Afield, Cover Subjects From Bees to B-36s





(1)
Maj. Arthur Murray, shown with X-1A in which he reached unofficial world altitude mark. He will speak for Convair Fort Worth Management Club May 28.

(2)
Q. G. Turner, Pomona manager of administrative services, caused a sensation at Pomona recently when he appeared in Spanish Don costume, plugging Lions Club Rodeo.

(3)
After delivering a JAT model 340 at Amsterdam, these SD men "went native." Left to right: Andy Anderson, radio operator on flight; A. F. Steck, pilot; J. J. Coil, radio operator; John Knebel, pilot; S. B. Whiteley, pilot.

(4)
Air Force experimental test pilots toured Convair FW recently to get inside word on B-58. They were from test pilots school at Edwards AFB.

(5)
SD's Ernest G. Stout, staff engineer, addresses Navy League of U.S. at Hotel del Coronado, Coronado, Calif. Convair models are in foreground. At left is Carl Stockholm, national president of league, and at far right is Vice Adm. Austin K. Doyle, chief of Naval Air Training, Pensacola, Fla.

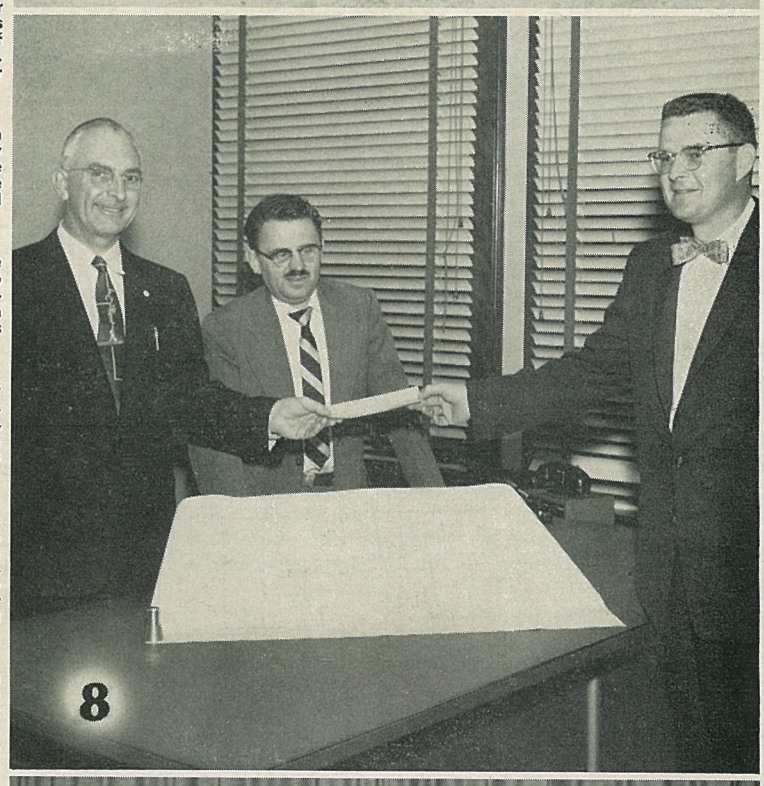
(6)
H. E. Burks of Dept. 74 at FW, a painter, came to rescue in emergency recently when bees swarmed on nose jack or B-36 wash rack, delaying the snow. Burks (well protected) shoveled them into a box.

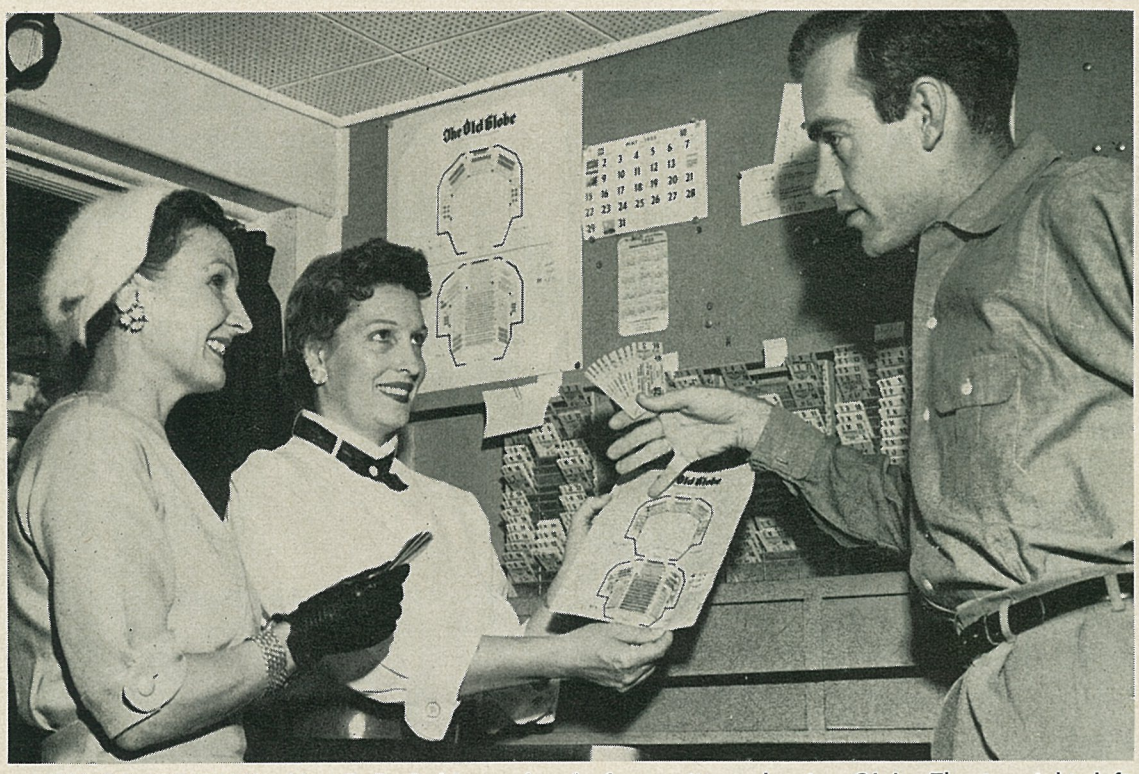
(7)
B-36s are still a crowd-puller. Picture was made at Carswell AFB show May 6 for national convention of National Intercollegiate Flying Association. Though there were newer jets present, B-36s held their own in crowd appeal.

(8)
W. W. Lynt, left, vice chairman of Employees Con-Trib-Club at San Diego, presents $5,000 check to Stillman Rowe, president of Cerebral Palsy Foundation. Center is Michael Stephansko, executive secretary.

(9)
This was one of groups at CRA Council "Ladies Night" at Pomona recently. Left to right: Chet Wheeless, new CRA president at Pomona; Frank Perricelli, skating commissioner; Jerry Lafave, retiring president; Lucyle Wheeless; Esther Lafave; Betty Harlow; Mrs. Ralph Roby; Archery Commissioner Roby.

(10)
More than 300 attended CRA Cooking School at SD May 3. Winners of door prizes and demonstrators are shown, left to right: Gretchen Woods, Mrs. John E. Scott, Frances Roe, Mrs. Charles Steel, Mary Burton and Bonnie Hardy (demonstrators), Lola Stacy, Mrs. Paul Carrier, Clementine Smith, Mrs. John Burgreen.





BOX OFFICE TALK—Mrs. E. D. Robinson, head of committee planning Globe Theater night, left, and Mrs. Keith Sears, women's council secretary, get advice on ticket handling from Harvey Clement in theater's box office. Tickets go on sale May 23 at employee services offices at both Plants 1 and 2.

Ticket Sale to Start For 'Theater Night' at SD

CRA has "bought the house" for the June 14 performance of "Caught in the Act" at the Globe Theater in Balboa Park.

Tickets will go on sale starting this coming Monday at employee services at both Plants 1 and 2 on a basis of two for the price of one.

Tickets are priced at $2, $1.60 and $1.20 and for each one purchased the buyer will receive a free one.

"Caught in the Act" is the Globe Theater's annual musical revue and has been a smash hit every year since its inception. The show this year will revive many of the top tunes and numbers of past performances, though with new staging and situations, and the 1955 version is expected to be the best thus far. Virtually all the numbers and comedy acts have San Diego themes.

Although the theater night is under the auspices of the Women's Council, and will take the place of the regular monthly "Ladies Night," the bars are down for this event and husbands and children may attend.

"We chose this show very carefully for its general appeal and I am certain that it will offer an evening of unusual and pleasing entertainment," Martha Woodberry, CRA commissioner, declared.

"The house holds a little less than 400, and our main fear now is that we will sell out almost at once.

"So keep this in mind and get your tickets early."

SD Con-Trib-Club Thanked for Gifts

Acknowledgement of Con-Trib-Club donations to four worthy causes have been received at Convair San Diego during the past weeks in the form of "thank you" letters.

These included gifts of $3,000 to the Heart Center Fund of the San Diego County Heart Association; $2,000 to the Camp Fire Girls to help finish a heated swimming pool at Camp Wolahi; $5,000 to the Cerebral Palsy Foundation of San Diego County, Inc.; and $1,100 to International Guiding Eyes, Inc., to supply a lead dog and training for a San Diego blind man, Robert H. Williams.

Each letter expressed personal thanks to the individual members of Con-Trib-Club who make these donations possible.

Apprentices at SD Hold First Dance

Over 200 were on hand April 16 when Convair SD apprentices held their first dance at Turner's Hall. Music was provided by "The Counts."

Handling arrangements were Frank Cozenza, Norman Poulin, Glenn Gill, John Ginn, Lee Trepanier and George Shakespear.

"Success of our first social venture has encouraged us to think seriously of additional events," said Norman Poulin, president of the Apprentice Club. "We are grateful to H. S. Rubottom and R. S. Watt for their help."

Plans Spring Dance

Electric bench and fabric (Dept. 252) employees at Plant 2, Convair SD, will hold their annual spring dance next Saturday, May 21, in the IAS Building, 3380 Harbor Drive.

Music will be furnished by "The Counts" and dancing will continue from 8:30 p.m. to 1 a.m. Tickets are available in the department.

COMMANDER NOW

Don P. Germeraad, chief engineering test pilot at Convair SD, this month was promoted to the rank of commander in the Naval Reserve. Germeraad is a member of VF-77J Squadron at Los Alamitos Naval Air Station.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, May 20: NAUGHTY NINETIES, Abbott and Costello.

Friday, May 27: DESERT LEGION (color), Alan Ladd, Arlene Dahl.

Bargain rate movies each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, May 24: SNOWS OF KILIMANJARO (color), Gregory Peck, Susan Hayward. STEEL LADY, Rod Cameron and Tab Hunter.

Tuesday, May 31: THE THING and WAR OF THE WORLDS—Doubleheader Science Fiction program.

Rivets

In case anyone is wondering why **Larry Failor,** industrial relations rep at Edwards, was seen digging industriously in the rubbish bin, this is the answer. When emptying coffee grounds with a vigorous sweep, he emptied not only the grounds but all the "insides" of the coffee pot!

* * *

If there is a prouder youngster than **William Wiebe,** 12, son of **A. H. Wiebe,** Dept. 28 SD, show him to us.

William won a racing bicycle in a National City grocery drawing recently.

* * *

Bill Vogel, SD Choral Club's director, whose devoted efforts have done much to make the chorus outstanding, was wearing a long face when he was faced with the loss of his pianist, **Queena Poe** of Dept. 258. But now he's smiling again. He has two excellent replacements in **Joan Powers,** wife of **Joe Powers** of Dept. 35, and **Eddie Jex** of Dept. 25.

Mrs. Powers (whose husband is also talented, playing drums and marimba) holds a music degree, has played in the San Bernardino Valley College Symphony and been an organ and piano teacher. Jex, who has been with Convair since 1947, has a long musical career, including years in vaudeville and radio in New York and USO entertaining.

* * *

A June, 1940, issue of the "Consolidator," then Consolidated's company publication, disclosed: "County Amateur Golf Champion **Russ Osgood** has joined material control. . . . **Mike Brooks** is managing the Consolidated baseball club. . . . **Tony Berardini** was voted most valuable softball player of the month. . . . **Dail Gowdy** has been appointed to the safety commission."

* * *

Lone aircraft maverick in Harbor 624 Toastmasters Club at SD is **Tony Gora** of Ryan. All the rest are Convair!

$25 Bond Offered In Design Contest

Convair SD employees were invited this week to take part in a design contest to create an emblem for the Industrial Recreation Council. The best design will win a $25 bond and the next five places will receive free Padre baseball tickets.

Suggested size of the emblem is three inches in diameter and judging will be based on simplicity of design and color combinations. Deadline for submitting entries is 5 p.m. June 27.

Designs should be submitted to the Sports Office, Park and Recreation Department, Administration Building, Balboa Park.

CRA Activities at SD

(CRA stands for Convair Recreation Association, an organization to which all Convair employees belong. Financed by proceeds from candy and soft drink machines in the plant, the association is run by a Council of employees who are commissioners of various activities. The association is run by employees for the benefit and recreation of employees.

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays at Kearney Mesa, 6 p.m.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative, AT 1-4612 after 10:30 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays each month, 7 to 9:30 p.m. Field shoot second Sunday each month. Instruction Saturdays 10 to 12 noon, Laurel Street range. Equipment available.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Conference Bldg., Balboa Park.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day. Annual plant championship May 21-22.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Sambo and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m., for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards. 1955 rules available at employee services.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meetings second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (May 19) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners, 9 a.m. to noon; intermediate, 12:30 p.m.; advanced, 2 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 395, Plant 2; Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT 4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; M. A. Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 395, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—Convair swim night for employees and their families, Saturday, June 4, Mission Beach Plunge, 7 to 9:30 p.m. Tickets available at employee services, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Chop Suey tournament June 4, Morley Field. Send entries to Dutton, Room 100, Bldg. 19.

TROPICAL FISH—Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Contact Pete Beyrer, ext. 1245, Plant 1, for further information.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Con-Trib-Club Reports

Following is the quarterly report (January, February and March) for the Employees Con-Trib-Club at San Diego, as issued by the committee, J. K. Field, chairman; Treasurer Gladys Story and W. R. Bever, IAM representatives; Vice Chairman Bill Lynt and Bill Ebel, EAA representatives; E. E. Larsen, IBEW representative; M. L. Bjorstrom and A. D. Parsons, Management Club representative; F. E. Grossher, division manager's representative; Frank Pickard, secretary.

Charity Fund Statement of Operations:

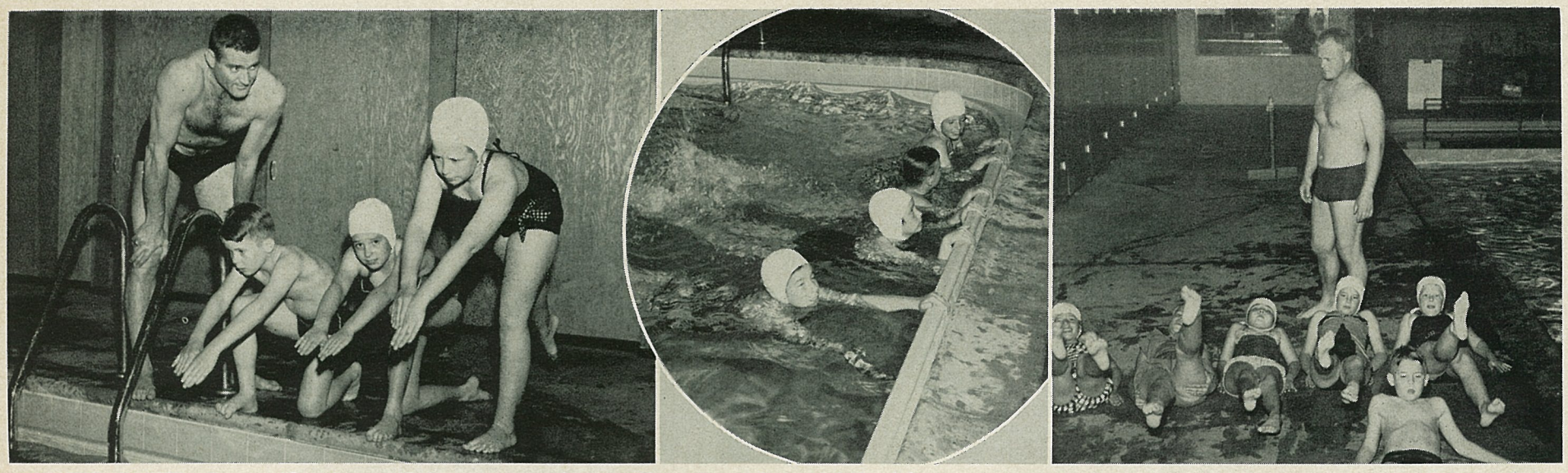
Balance on Deposit as of Jan. 1, 1955		$42,000.49
Balance in Disaster Fund January 1, 1955		25,000.00
Gross Receipts 1-1-55 to 3-31-55	$52,963.72	
Less Transfer to Emergency Aid Fund	5,296.37	
Net Deposit to Charity Fund	$47,667.35	47,667.35
TOTAL ASSETS		$114,667.84

DISBURSEMENTS:

Bookkeeping Expense	$ 150.00	
San Diego Community Chest (2nd & 3rd Instal.)	50,000.00	
Vauclain Home (Aid to TB Patients)	416.62	
Boy Scouts of America (Sustaining Membership)	400.00	
Muscular Dystrophy Association	1,000.00	
Heart Fund & Heart Center	10,000.00	
United Jewish Fund	1,250.00	
American Red Cross Chapters		
At Antelope Valley	87.00	
At Edwards Air Force Base	390.00	
At San Diego	12,700.00	
San Diego Sheltered Workshops	600.00	
San Diego Society for Crippled Children	7,750.00	
Cerebral Palsy Foundation	5,000.00	
Total Disbursements	$89,743.62	89,743.62
Balance on Deposit as of 3-31-55		$24,924.22

Emergency Aid Fund Operations:		Type of Aid Granted:	
Total Cases Written	54	Insurance Paid	$ 269.02
Cases Counselled	36	Medical Expenses	1,479.03
		Groceries	631.63
Total Applicants	90	Rents Paid	1,741.47
Cases Approved	46	Hospital Expenses	2,066.19
Cases Rejected	1	Clothing	125.00
Cases Open	6	Travel	279.72
Cases Cancelled	1	Funeral Expenses	442.41
Cases Counselled	36	Miscellaneous	65.75
Total	90	**Total Expenditures**	$7,100.22

Balance on Deposit in Emergency Aid Fund as of March 31, 1955 ..... $11,502.43



WATER BABIES—Scenes like these will be common during CRA-sponsored swimming lessons at Convair SD. Pictures were made during routine instruction session at Mission Valley School of Swimming. At left, former Navy "frogman" Mel Kendall gives pointers in diving to group of young swimmers. Water splashes high at center as beginners practice their strokes. Dry land session at right is under watchful eye of instructor.

Swim Classes to Start For Children, Adults

A special series of swimming lessons for Convair SD employees and members of their families will start in the very near future with CRA picking up a portion of the tab.

Designed to offer beginning instruction to non-swimmers, the nine-lesson course is being offered to CRA members for $18. (Regular price: $22.50.)

"CRA feels that this is a wonderful opportunity to offer swimming instruction to both children and adults," said CRA President Larry Roth. "The instructors and facilities are the best to be found in San Diego."

Mel Kendall, former Red Cross and Navy "frogman" instructor, will act as chief instructor at the sessions to be held at Mission Valley School of Swimming.

Children six years of age and over will be taken and classes will be set up for both youngsters and adults, depending upon their abilities, Kendall said.

Registration for classes for both adults and children may be made by calling Martha Woodberry, ext. 1245, Plant 1. Students will be notified and classes started as soon as possible. The $18 fee is due at the first class session.

Keg Teams Rolling Challenge Matches

Match bowling competition among groups at Convair SD has been on the upswing during the past week with tool manufacturing pulling a mild upset in beating a previously undefeated industrial engineering team May 7.

Representing tool manufacturing were C. L. Pogorel, Tom Murphy, Len Richardson, S. Darlak, and R. Malo. Forrest Erwin, Gene Laird, Larry Chambers, Maynard Smith, and Jim Hayman bowled for industrial engineering.

Tool manufacturing is ready to challenge any team for a match game, Pogorel said this week. He may be reached at ext. 380, Plant 1, on second shift.

League Competition Nears in Softball

Softball teams at Convair SD will wind up pre-season activities early next month and move into league competition.

Shop league teams are now playing practice rounds and will open the season in two loops the week of June 20. CRA's entry in the Metro league is now playing a pre-season tournament. There are possibilities that a second team will be organized shortly to play in a second city league.

Bowling Champions Feted at Banquet

Convair SD bowling champions were feted at a special championship dinner May 14 at Michael's in Lemon Grove. League champions and members of the winning teams in each plant league were present.

Youngsters Graduate In Hunting Safety

CRA's second "hunter's safety course" for Convair SD youngsters will start the first Saturday in June, according to Jerry Schultz, Gun Club commissioner.

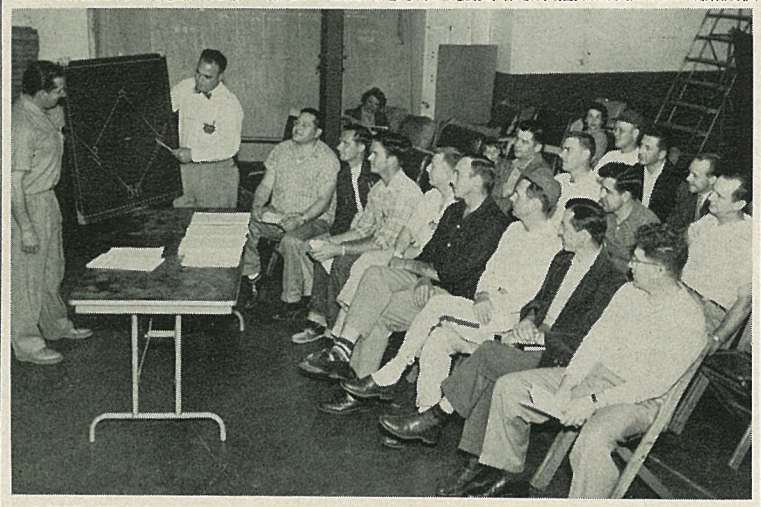
Thirteen students under 16 years of age graduated from the first class which ended in May. They received certificates which will enable them to secure California hunting licenses this season.

Bennie Purks, Dept. 56, is instructor for the school. Class sessions include both classroom periods and range firings. Total cost is 50 cents per youngster.

Application blanks are available at employee services offices at both SD plants.

GRADS—These youngsters successfully completed the first CRA hunter's safety course this month. They may now apply for California hunting license despite the fact they are under the legal age limit (16). Left to right, front row, Harold Harrison, Carol Carter, Instructor Bennie Purks, Donna Zimmerman, Tommy Schaekel and Donald McDaniel. Back row, Dennis Zimmerman, Dennis La Berge, Ray Noble, Charles Raedel, assistant instructor, David Luppke, Andre La Berge.

Sports



LIKE THIS—Tony Berardini, CRA softball commissioner at SD, lays out ground rules for managers of San Diego plant league teams with an assist from Pete Beyrer of CRA. Twenty plant league teams open season in two leagues in June.

Industrial Shooters Schedule Annual Championships June 5

Nimrods from throughout San Diego County are expected to gather at Valley Gun Club June 5 for the second annual Industrial Gun Shoot which is again being hosted by Convair Gun Club.

Events will include pistol, rifle, trap and skeet competition for teams. Each participating firm is expected to field a number of teams in each event.

A crowd of 400 was on hand last year to watch some 150 contestants battle for honors in the first organized shoot of its kind in San Diego County.

Convair Gun Club members swept the field in the first tournament by winning first in every event. However, stronger competition is expected on all fronts this year.

Perpetual trophies will again be awarded in each event with winning team members taking home individual trophies. Shooting will be from scratch with no handicaps in any division.

"We extend a welcome to Convair people who might like to watch these competitive events," said Jerry Schultz, CRA Gun Club commissioner and chairman for the shoot.

Events start at 9 a.m. and continue through early afternoon.

First Prizes in Fishing Contest

First monthly prizes in the CRA fishing contest at Convair SD were awarded this month to April winners.

Top merchandise award went to A. Vinuto (Dept. 406) for his five-pound large mouth bass. C. E. Myarvold (Dept. 6) took second place with a 29-pound, 7-ounce Yellowtail.

Three other Yellowtail also took prizes including a 21-pound, 12-ounce one caught by W. P. Matlock (Dept. 255), a 21-pound, 8-ounce one snagged by C. E. McCluskey (Dept. 205) and R. F. Summers' (Dept. 6) 18-pound, 10-ounce catch.

Prizes will be awarded each month through October. CRA members may enter by filling out an official entry blank at Employee services offices at either plant and attaching a weight slip signed by a store or fishing camp operator.

Friday Deadline For Entering Bird Meet

Friday (May 20) is the deadline for entering the seventh annual CRA badminton tournament slated for May 21-22 at the Federal Building, Balboa Park.

Events will include men's singles and doubles and mixed doubles. Entries may be made by calling Commissioner Fred Minter, ext. 1135, Plant 1, days or CY 8-2242 nights.

Williamson First In Pistol Shooting

Joe Williamson fired a 289 score to lead Convair SD Pistol Club members in their May 8 shoot. Bill Geopfarth and George Clayton finished in two-three order in the master class.

Other classes and the order of finish included: expert, Carl Monds, Jim Baxter, Carl Hornberg; sharpshooter, Harvey Ingalls, Gordon Parker, W. Walker; marksman, E. T. Johnson, Phyllis Young, Bill McAdams.

Jim Halfacre won the short national course match with Tom Little, Jim Baxter, Joe Williamson and Bill Geopfarth finishing in that order.

Kids Will Take Over For Club's Annual Beach 'Circus Night'

Kids will be kings Friday (May 20) when the Convair San Diego Management Club stages its annual "father and child circus night" at Mission Beach Amusement Center.

Free tickets to rides will be given each youngster.

The circus will include eight different variety acts from performing chimpanzees to clowns, magicians and trained dogs.

Although no dinner will be served, concession stands will sell hot dogs, hamburgers and the trimmings at cut rates. The affair is being sponsored by SD division controller's department.

May 24 Last Day for Dad-Son Fish Trip

Deadline for registering for for the annual Convair SD father-son deep sea fishing trip set for June 4 will be 4:30 p.m. May 24, Dale Marks, CRA fishing commissioner said this week.

Three sportfishers have been chartered for the day. Father and son may go for a total cost of $13.25. Prizes will be awarded outstanding catches by the youngsters.

Reservations may be made by calling Marks at ext. 200, Frank Kemper, ext. 1158, or Bob King, ext. 673, Plant 1, or Vince Cernuto, ext. 512, Plant 2.

Choral Club Orders Blue and Gold Robes

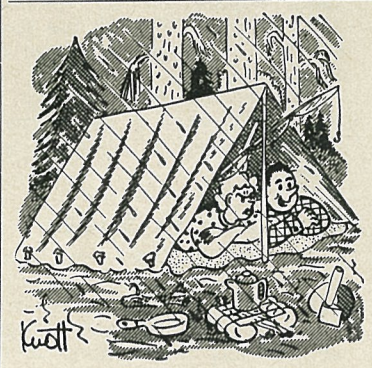
New blue and gold (Convair colors) robes are being made for members of the CRA Choral Club. They will be ready in about a month and plans are underway for a public appearance.

Women Riders For Color Guard Seen

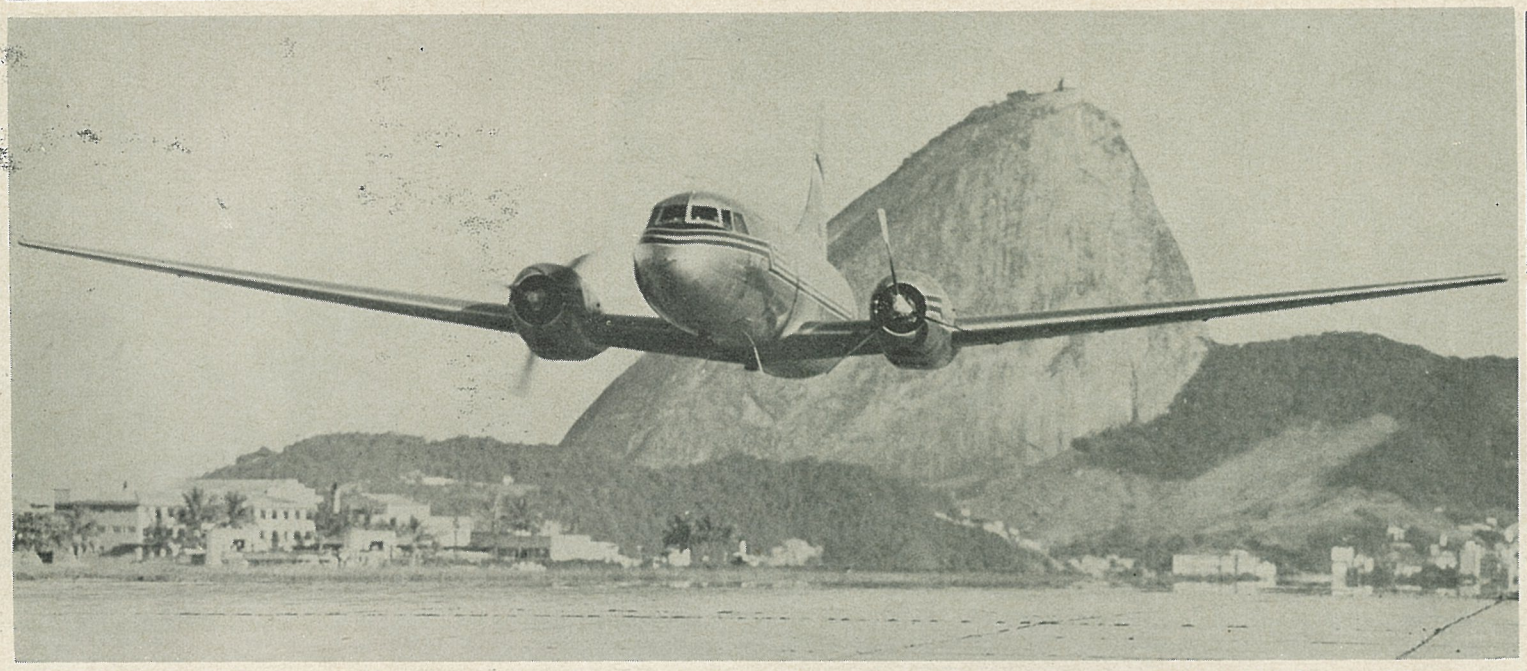
A women's escort for the CRA mounted color guard is being considered by Convair SD Riding Club members. Girls interested in joining may contact Pat Walker, ext. 313, Plant 2.

SD Breakfast Ride Slated for Sunday

Convair SD Riding Club will stage a breakfast ride from Palomar Stables Sunday (May 29) at 9 a.m. It will include a trip to the Kearney area and a return to a chuck wagon breakfast at the stables.



"Just think, last week we were cooped up in town with nothing to do but play bridge, look at TV, go to parties and . . ."



TAKEOFF IN RIO—Remarkable picture of a Cruzeiro do Sul model 340 undergoing single-engine tests shows famed Sugar Loaf in background at Rio de Janeiro. Rio is served by three lines flying Convair-Liners: Cruzeiro, REAL (which has model 340s and recently ordered model 340-Bs, too) and Varig (flying model 240s). Scene is at Municipal airport.

ESs and CIPs in April Set 12-Year Record

Convair Fort Worth employees and supervisors are showing acute interest in reducing costs these days.

This was evident last week when a monthly report showed an all-time record number of Employee Suggestions and Cost Improvement Proposals.

Suggestions and proposals totaled 1,031 for April. This is more than half the number turned in for the entire year of 1954.

It was considered significant that the 12-year record was set the first month after Gen. Joseph T. McNarney, Convair president, talked on reducing costs before the Convair FW Management Club. It was at the same time that he presented the first annual President's Award for outstanding achievement in reducing costs.

Biggest week was that starting April 18, when 311 suggestions and proposals were turned in. Previous high was 229 in August of 1952.

"It's too early to tell what the results will be from all these new ideas," said W. L. Bradley, suggestions and conservation supervisor. "But judging from past experience, we're very hopeful there'll be substantial savings in the stack."

So far this year, approved suggestions and cost improvement proposals indicate savings of over $1,000,000. This is almost half the total savings of $2,217,000 for the entire year of 1954. Overall goal for 1955 is $5,450,000.

At end of April, three departments had already met and topped their Cost Improvement quotas for the entire year.

Dept. 15 has scored 159 per cent of quota, or $111,786.

Dept. 20 racked up 160 per cent of quota, or $108,716.

And Dept. 47 was even better: a whopping 1,200 per cent! Savings here amount to $307,-401.

Said August C. Esenwein, FW manager:

"It looks like our biggest year yet. And with the continued help of so many, we can make sure that it is.

"This is gratifying, because saving costs has never been more important. If we can trim our costs enough, we can put ourselves in much better shape to attract new business. And only new business can guarantee that we'll continue to have work."

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

* * *

Art Seemann elected president Management Club at San Diego.

* * *

New high altitude test chamber for Daingerfield announced.

* * *

B-36s fly over state capitals on Armed Forces Day and throngs at San Diego ramp view B-36s, XP5Y, T-29s and Convair-Liners.

* * *

Scotty Doig of SD returns home with set of new golf clubs after playing St. Andrews in Scotland.

* * *

SD employment rests at 6,300.

* * *

During past year CRA at San Diego spent $19,000 on recreation while CRA at Fort Worth was expending $25,000.

* * *

Father of late Major H. S. Carswell, for whom Carswell AFB was named, visits Convair FW.

* * *

President Truman inspects RB-36 at Eglin AFB.

FW Management Club Considers Sponsoring Air Explorer Squadron

The Convair Fort Worth Management Club is considering sponsoring an Air Explorer Squadron of the Boy Scouts of America, according to S. J. Middleton, president.

The Air Explorer Squadron, Middleton explained, is in the nature of a Boy Scout Troop, except that members will concentrate on matters having to do with aviation. For that reason, Convair people will be particularly appropriate as sponsors. (The Convair SD Club has sponsored an Explorer Squadron for some time.)

Further information may be obtained from R. J. Hendrickson, ext. 3293, and E. V. Gish, ext. 2186.

Dr. Lamb to Speak

Dr. Neil W. Lamb, long range planning administrator at Convair SD, will discuss "Industrial Progress with Atomic Energy" at the May 19 meeting of the San Diego Chapter, American Society for Metals, scheduled for 7:15 p.m. at Solar Auditorium, Hawthorne and Harbor Drive.

CONVAIR-SERVED—Over-all picture of Rio de Janeiro, one of world's most beautiful cities. Three airlines offer Convair-Liner service here.

Flexibility Praised as Samaritans Pass 1,000-Hour Mark in Service

Praise for the Convair C-131A, the Flying Samaritan, was included in an account of the airplanes' performance published recently in the Continental Courier, newspaper serving the MATS Continental Division.

Lt. Col. Donald Calof, commanding the 1733rd Air Transport Squadron (Air Evac) was quoted in a story datelined Travis AFB, Calif., as saying: "In the Samaritan we have all the capabilities of the larger, four-engine aircraft. Formerly we were operating the big C-54 on our patient airlift. The smaller and more modern C-131A is just built to order for our type operation.

"The Samaritan is a smooth operating, economical transport that gives us plenty of flexibility in our operation from a long or short runway. It is an excellent plane for our type operation."

At least two Convair C-131As now have passed the 1,000-hour mark. One is assigned to the 1733rd, the first air evac squadron in the Air Force to be fully equipped with Convairs. The other is the 1734th at Brooks AFB, Texas.

National President Of SAE to Speak

Society of Automotive Engineers will celebrate their golden anniversary with a dinner and meeting at State College on May 25. C. G. A. Rosen, 1955 national president, will speak on "Growing in Engineering."

The meeting is open to the public and Convair San Diego employees are invited. Further details may be obtained from Publicity Chairman M. E. Morrison, ext. 741 or 622, Plant 1, SD.

SD Men to Take Part In Recreation Meet

CRA President Larry Roth of San Diego and council members J. K. Field and Pete Beyrer will be delegates to the annual Industrial Recreation Conference in Dayton, O. June 12-15. Field, chief of employee services at SD, will speak on "Recreation Accidents and Insurance Coverage" and will lead a panel discussion. He is a director of the National Industrial Recreation Association.

Completion of Overhaul Near At Convair FW

Four new smokestacks rising against the Texas skies this week symbolized the nearing completion of a $1,500,000 major overhaul at Convair Fort Worth.

The overhaul, which got under way Nov. 19, 1953, is due to be complete July 1, according to Frank C. Clayton, chief plant engineer.

"Hot gasses and steam blowing through the stacks almost 24 hours a day for about 12 years really wrecked them," commented Lamar Whitten, assistant chief engineer.

Gorbett Brothers Steel Co. of Fort Worth performed the work. Their crews took down the rusted stacks, then put up new ones 23 feet tall and five feet in diameter.

At the same time, work neared completion in the boiler room beneath the stacks. There all four of the boilers are being completely overhauled—and will be in tiptop shape to keep the entire plant at a cool and comfortable 76 degrees throughout the usual scorching Texas summer.

Boilers produce up to 400,000 pounds of steam per hour. In winter the steam is used to heat the air which goes through ducts to keep the plant warm. In summer it is used to drive twelve 1,075 horsepower compressors which provide the cooling.

And down in the boiler room, C. B. Ribble likes to tell visitors: "It takes more heat to cool the plant in the summer than it does to warm it in winter!"

Ribble is an equipment mechanic. In one capacity or another, he has been tending the boilers almost since they were first lit 12 years ago, according to E. J. (Bud) Roberts, boiler room foreman.

Ribble's job eight hours a day is to make sure other Convair employees are cool and comfortable.

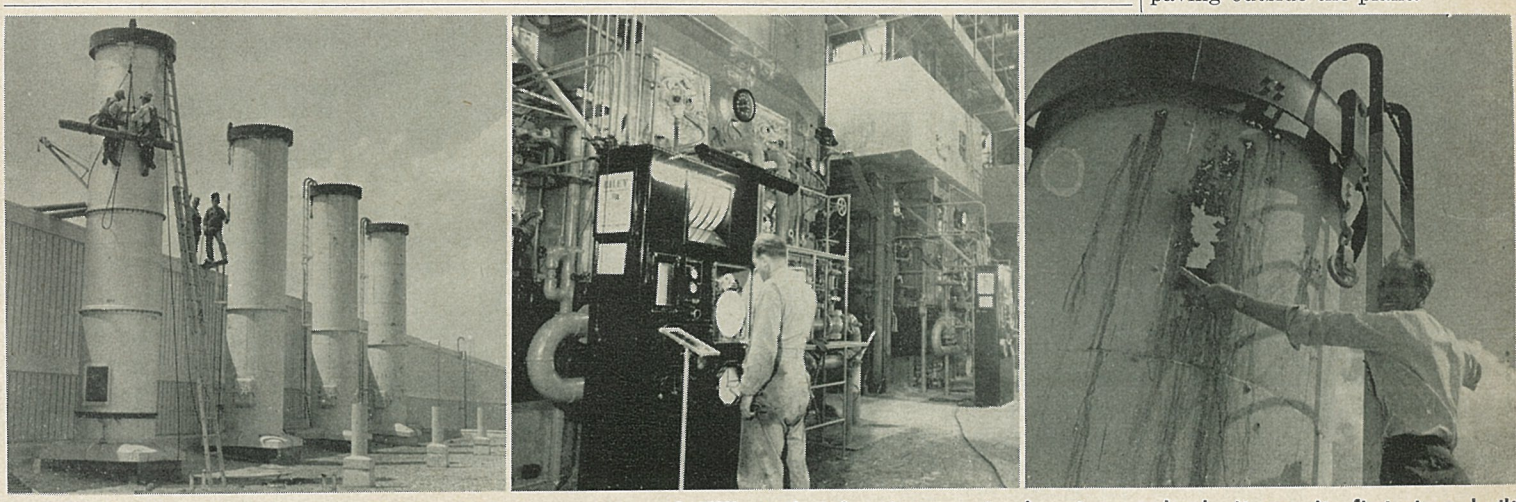
Besides work on the stacks and the boilers, other air conditioning equipment also got a thorough going over, as did other mechanical and electrical installations in all the buildings.

Whitten explained that the 19-month program was concerned **not** with normal maintenance, but rather with major repairs that are necessary only after a number of years.

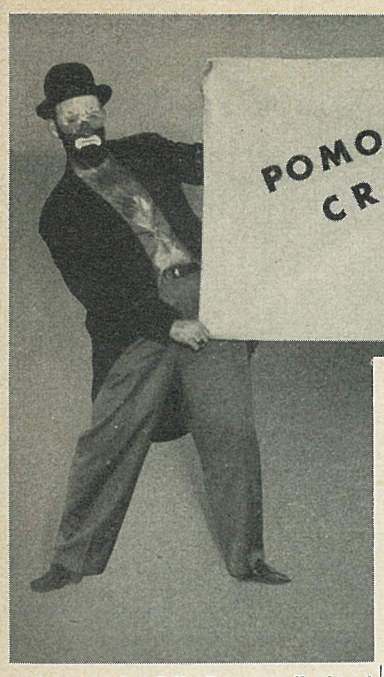
In addition to the buildings' mechanical and electrical overhaul, there were two other types of major repairs: one on production equipment and machinery and office machines; and the other on the outside of the building and on the grounds.

The first involved repairs on processing and heat treating equipment, portable aircraft equipment (such as generators and the like), production refrigeration (for cooling rivets), spot-weld equipment, auxiliary generators, office machines and machine tools.

The other included sandblasting and painting the outside of the buildings and the repairing of concrete floors where 12 years of traffic had knocked holes. It also included repairs to the concrete paving outside the plant.



OVERHAUL—At right J. L. Zelko of design section of FW plant engineering, points to rust holes which made it necessary to erect new smokestacks (left) at Fort Worth plant. Center is C. B. Ribble, equipment mechanic, who checks controls of furnace that has just received major overhaul. It was its first since built 12 years ago. Boilers produce steam which is used for heating in winter and cooling in summer. Cooling process involves battery of 12 monster compressors.



SECOND ANNUAL

CIRCUS PICNIC

POMONA CRA

POMONA CRA

SATURDAY JUNE 4

L.A. COUNTY FAIR GROUNDS

Pomona's Bill Barnes (behind the make-up) holds up one end of invitation to Circus-Picnic at Pomona.

Dick Bernasek of Pomona holds up the other end of this reminder to attend CRA show Saturday.

Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere

Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

Vol. 8, No. 11 — Wednesday, June 1, 1955

Second Annual Pomona Picnic To be Saturday

Gate prizes for both children and adults will be only one feature of Convair Pomona's second annual CRA Circus-Picnic Saturday June 4 at the Los Angeles County Fairgrounds in Pomona.

There will also be a two-hour circus revue, featuring some of the top vaudeville and circus acts in the country; free punch throughout the day through the courtesy of Davidson Brothers, operators of the plant coin machines; demonstrations by various CRA groups; all kinds of rides, from live ponies to a giant ferris wheel; picnic tables for family groups; refreshment stands and many other features.

Gate prizes will include four bicycles for the children, a handsome set of luggage, a combination radio and record player, and a $25 gift certificate from Pomona Auto Parts, operators of the employee tool store at the plant.

"Each child attending will receive a ticket on the bicycles as he enters the picnic area," Chet Wheeless, CRA president said.

"Employees will receive cards bearing their names, and stubs from these cards should be deposited in the receptacles provided at the picnic for the drawing for the other prizes."

The drawings will be held immediately following the circus revue, and winners must be present to receive them.

The picnic will begin at 10 a.m., and the kiddie rides will operate continuously until 3 p.m., when the circus revue is scheduled to start.

Most activities will be centered around the infield of the race track, except for the circus revue,

(Continued on Page 2)

XC-99 Assigned to Lift 300,000 Pounds Cargo From U.S. to Iceland

The most Herculean task ever assigned to a single aircraft is the chore of the Air Force's XC-99 this month.

Largest operational plane in the world, the '99 has the job of airlifting 300,000 pounds of high priority cargo from Dover, Del., to Keflavik, Iceland, according to Maj. Gen. Thetus C. Odom, commander of the San Antonio Air Materiel Area, where the XC-99 is based at Kelly Field.

(The XC-99 was designed by Convair's San Diego Division. The fuselage was built in San Diego. The wing was built in Fort Worth. After mating in San Diego, the plane was flown to Fort Worth, where it underwent extensive flight testing before it went to the Air Force.)

Although the plane has carried a payload of as much as 104,000 pounds, it is expected to take five round trips to move the 150 tons from Dover to Keflavik.

Sixty men—30 military and 30 civilian—were scheduled to leave Kelly Air Force Base on the huge plane. Military personnel constitute two complete crews. The civilians are the key maintenance personnel who service the plane.

Each of the round trips is expected to take about 34 hours. A refueling stop at Goose Bay, Laborador, will be made on the Dover-to-Keflavik haul. The return trip, a 16-hour jaunt, will be made non-stop.

Augmented crews, with three men for each two positions, will be used on all of the round trips.

The XC-99 has averaged almost 135 hours flying time every month since early in 1951, when it was assigned to Kelly for evaluation testing. On one trip from Kelly to California, it set 21 international records for cargo carrying aircraft.

Six piston engines combine to form the XC-99's power plant, the same number as the B-36. The XC-99, however, does not have the supplemental jet engines.

Blood Bank Credit Again in Jeopardy

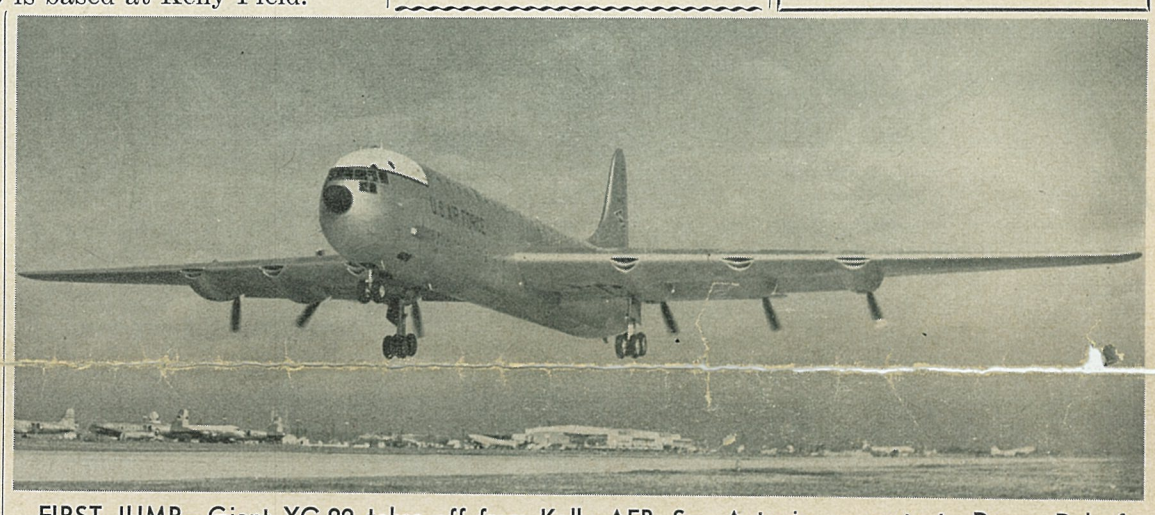
Results from the bloodmobile visit to Convair SD last Thursday were disappointing and as a consequence another visit must be scheduled soon.

Only 91 pints were collected last week, when a minimum of 150 were required to keep the Blood Bank credit at a satisfactory level to meet current demands from Convair SD employees and families.

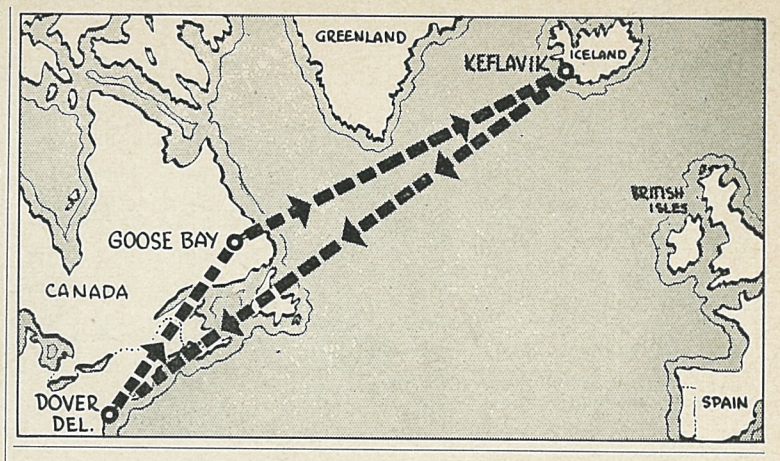
San Diego EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.



FIRST JUMP—Giant XC-99 takes off from Kelly AFB, San Antonio, en route to Dover, Del., for first lap of record airlift to Iceland.



Elo Winner in Club Election

Some new faces will be in the "line-up" when Convair San Diego Management Club installs officers at its June meeting.

"Captain" of the new team is Bob Elo of Dept. 52, successful presidential candidate.

Other members to be installed include:

W. O. Zook, Dept. 9, first vice president; E. H. Damarus, Dept. 24-1, second vice president; F. H. Nipper, Dept. 60, recording secretary; J. L. Terrien, Dept. 9, financial secretary; E. Caldwell, Dept. 28, treasurer; G. K. Cox, Dept. 201, L. L. Tuttle, Dept. 558, G. O. Couchman, Dept. 70, and E. J. Huntsman, Dept. 30, board members (1 year); J. S. Blakeley, Dept. 10, board member (2 years); and D. R. Archibald, Dept. 27, N. W. Lamb, Dept. 5, and M. C. Val Dez, Dept. 3, board members (3 years).

Only Terrien served as an officer of the club last year, acting

(Continued on Page 2)

IN FRONT—Bob Elo, left, newly-elected president of Convair SD Management Club, gets congratulations from retiring prexy Lee House following balloting last month.

Pomona's Con-Trib Reports on Pledges

Convair Pomona employees through their Employees Con-Trib-Club last week pledged $511.64 to four charitable organizations, the Con-Trib-Club committee reported.

The pledges, which were given a second reading and final approval at the bi-weekly committee meeting last Wednesday, were: San Dimas Red Cross $35; San Bernardino County Heart Association $356.64; Puente Red Cross $100; and Whittier Salvation Army $20. All pledges will be paid immediately.

Bond Buyers Increased To Nearly 70% at SD

Purchasers of U.S. Savings Bonds through payroll deduction at Convair San Diego now number 14,816, almost 70 per cent of total employment.

Of this number, 3,396 are signed up for bonds of $100 denomination or more.

Convair SD responded strongly to last month's week-long drive during which employees were asked by the Treasury Department to consider purchase of $100 bonds, rather than those of lesser size. Chief reason is that there is less clerical work involved in issuing the larger bonds.

During the drive, buyers of $100 bonds increased by 2,816.

Also during the drive, 1,723 new purchasers signed up to buy bonds regularly through payroll deduction.

Percentage wise, participation in bond buying at San Diego at the start of the campaign was 58.2 per cent. At the close it had climbed to 69.6 per cent, an increase of 11.4 per cent.

However, San Diego was still a trifle behind Fort Worth where

(Continued on Page 2)

New Dept. Formed For Convair Pomona

Effective today (June 1) Dept. 64, pilot shop, has been activated at Convair Pomona as a permanent department under Factory Manager Fred Morgan.

Formation of the new department was announced last week in a division notice signed by C. F. Horne, division manager.

G. J. Bearss, formerly of Dept. 31, has been transferred to the new department as assistant foreman and will be the only supervisor for the time being. Bearss will report directly to A. W. Hotchkiss, general foreman of assembly departments, until July 1, when Louis Miller, formerly with Motorola, will become foreman of the department. Miller will also report to Hotchkiss.

★ ★ Log Book Entries ★ ★

★ ● ★ Service Emblems ★ ● ★

SAN DIEGO

Service emblems due during the period June 1 through June 10:

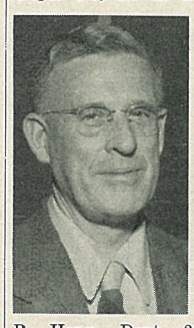
Twenty-five year: Dept. 1-71, R. C. Sebold. Dept. 52, Leo Nowak.

Fifteen-year: Dept. 1-51, Martha C. Newberry. Dept. 5, W. R. Osgood. Dept. 6, S. J. Geller, S. W. Swenson, C. L. Switzer. Dept. 31, Russell Morissette.

Dept. 44, O. C. Jones, Joseph Ramirez. Dept. 102, J. R. Morgan. Dept. 258, R. H. Brown. Dept. 350, Herman Newman. Dept. 406, E. R. Boucher. Dept. 524-2, Joseph Conta. Dept. 603-1, C. E. Cardo, C. F. Priddy, C. L. Thompson.

Ten-year: Dept. 27-1, Samuel Petcher. Dept. 28-6, C. C. Murray Jr. Dept. 44, F. W. Holland. Dept. 60, R. C. Woker. Dept. 115, P. W. Schneider, D. H. Wagnon. Dept. 250, Lenora W. Shilling. Dept. 375, H. W. Hutchinson.

Five-year: Dept. 1-24, H. V. Purnell. Dept. 4-1, R. S. Smith. Dept. 6, Helene M. Arnhym, A. S. Edmonds, W. C. Lewis, G. E. Peek, J. R. Picklesimer. Dept. 8-3, R. R. Breese. Dept. 10-3, J. B. Henn. Dept. 22, B. W. Barnett, Gloria A. Copley, Doris M. Morehouse, V. L. Waitman, Alice V. Woosley.



Ranks of those who have recorded 25 years of service in Convair have grown steadily since the first emblem was presented in 1949. Latest to wear the diamond is Ralph E. Oversmith of SD's Dept. 8-2.

Dept. 24, J. D. Bender. Dept. 25, F. F. Bryant, A. B. Melanese Jr., J. E. Pugh, M. L. Wise, C. E. Wysong. Dept. 28, C. F. O'Rourke. Dept. 30, Calvin Skeens. Dept. 40, J. M. Mihm Jr. Dept. 46, Luetta T. Fike.

Dept. 55, J. P. Antosy. Dept. 70, J. A. Gross, Paul Osuna, Ahurora E. Robson, E. A. Rudeen, J. F. Schaefer. Dept. 72, Betty M. Swanson, Erlynne R. West. Dept. 215, V. D. Gilson. Dept. 225, Dorothy M. Lockrem.

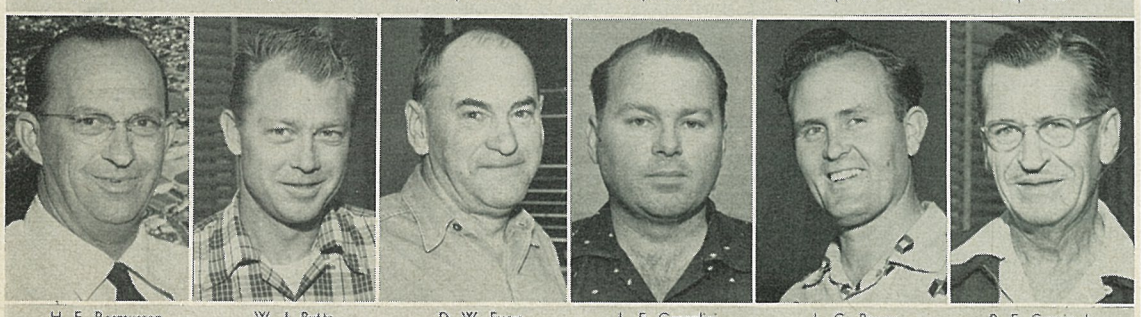
Dept. 303-4, C. C. Thomason. Dept. 350, Dorothy P. Anderson. Dept. 401, J. C. Krugle. Dept. 406, W. C. Engleman. Dept. 407, Ruth C. Homan. Doris F. Spain. Dept. 522-1, R. M. Alexander. Dept. 524-2, G. P. Peacock. Dept. 528, Madilee B. Allred. Dept. 603-1, Earl Owens.

POMONA

Fifteen-year: Dept. 11, M. P. Fisher.
Five-year: Dept. 42, S. L. Hugyik.

Below are pictured SD men who recently received 15-year emblems.

S. E. Smith, Dept. 24-1 — L. J. Francis, Dept. 27-1 — K. R. Lemley, Dept. 28-6 — A. N. Ennis, Dept. 28-7 — V. T. Winsor, Dept. 55 — D. V. Neece, Dept. 403



H. E. Rasmussen, Dept. 28-2 — W. J. Butts, Dept. 6 — D. W. Evers, Dept. 31 — L. F. Cescolini, Dept. 70 — L. G. Bovee, Dept. 115 — R. F. Guerin Jr., Dept. 6

W. E. Porter, Dept. 31 — E. M. Moore, Dept. 31 — Lewis Grant, Dept. 9-5 — F. L. Olson, Dept. 22-1 — W. B. Wittler, Dept. 403 — R. W. Avila, Dept. 300

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective May 16:

Dept. 1-71, General Office: To technical assistant, M. Stern.

Dept. 6, Engineering: To parts catalog asst. supervisor, H. O. Krumm.

Dept. 14-1, Receiving & Stores: To receiving and stores asst. foreman, F. W. Matson.

Dept. 30, Model 8 Final Assembly: To asst. foreman, C. H. Gerdes, J. W. Hammond.

Dept. 31, Experimental: To foreman, L. F. Kruse.

Dept. 203, Welding: To asst. foreman, D. W. Milliren.

Dept. 528-8, Receiving Inspection: To inspection supervisor, S. S. Smith Jr.

POMONA

Promotions to or within supervision effective May 16:

Dept. 6, Engineering: To design group engineer, R. F. Zwettler.

Dept. 27, Quality Control: To process control asst. supervisor—chemical, E. H. Babcock. To reliability asst. supervisor—type test, J. Q. Friend. To process control standards asst. supervisor, A. M. Murphy. To process control asst. supervisor—metallurgical, J. H. Rizley.

Dept. 63, Electrical assembly: To asst. foreman, C. R. Marvin.

Dept. 72, Test Equipment Maintenance: To foreman, C. D. Brown. To asst. foreman, W. A. Dean.

Births

SAN DIEGO

BEEMER—Daughter, Susan Jean, 6 lbs. 6 ozs., born May 1 to Mr. and Mrs. S. E. Beemer, Dept. 25-4.

CHALK—Daughter, Mary Anne, 7 lbs. 12 oz., born May 19 to Mr. and Mrs. Joseph B. Chalk, Dept. 6.

POMONA

ADMIRE—Son, David James, 8 lb. 4 oz., born April 9 to Mr. and Mrs. John Admire, Dept. 72.

BOTTLES—Daughter, Marsha Elizabeth, 7 lbs. 5 oz., born May 5 to Mr. and Mrs. Alfred H. Bottles, Dept. 72.

HUDSON—Daughter, Cheryl Juanita, 7 lbs. 6 oz., born May 14 to Mr. and Mrs. K. P. Hudson, Dept. 42.

NICHOLS—Son, Eugene C. Nichols II, 7 lbs. 12 oz., born May 5 to Mr. and Mrs. Eugene C. Nichols, Dept. 8.

★ ● ★ Awards ★ ● ★

SAN DIEGO

Employee Suggestion awards totaled $1,480.75 for the weeks ending May 5 and May 12:

Dept. 3, Industrial Relations: J. F. Erb, $50; A. J. Offt, $5.

Dept. 4, Material: R. A. Mantey, $5; A. J. Maracchini, $47.50 (final payment).

Dept. 6, Engineering: M. W. Berwald, $10.

Dept. 9, Controller's: W. F. Carter, $20.50; E. W. Howard, $10.

Dept. 14, Shipping and Material Stores: E. E. Caldwell, $68; H. E. Newton, $25.

Dept. 22, Manufacturing Control: L. M. Craig, $10; G. A. Johnson, $5.

Dept. 24, Tooling: F. J. Gooch, $5.

Dept. 25, Plant Engineering: E. W. Hittle, $10; E. H. Minder, $10; C. W. Smith, $15.

Dept. 28, Inspection: E. J. Barnett, Jr., (three awards) $136; E. J. Bourgeois, $10; H. M. Dorman, $10; R. D. Landis, $10; B. E. Mundt. $20.

Dept. 30, Model 8 Final Assembly: M. D. Downey, $10; L. G. Lou and T. G. Saint Sing Jr., $5 each.

Dept. 31, Experimental: R. J. Baker, $10; K. E. Crossley, $5; F. R. Durson, $5; G. L. Hale, $5; T. L. Hederman, $10; J. K. Laursen, $5; A. A. Perry, $23; E. E. Wamsley, $15.

Dept. 37, C-131B Final Assembly: C. Fennell, $5.

Dept. 46, R3Y Final: S. B. Holder Jr., $21.25.

Dept. 52, 340 Wing: G. De Santi, $15.

Dept. 55, 340 Fuselage: O. H. Rosenboom, $10.

Dept. 56, 340 Primary: A. J. McDonough, $5; A. Martin (two awards) $53; T. M. Miller, $5; G. W. Smith, $5.

Dept. 70, Model 8 Fuselage: W. E. Akers (two awards) $10; W. H. Bowler, $15; B. E. Till, $15; J. L. Kizziar Jr., $10; H. R. Leatherman (two awards) $20; A. H. Parker, $15; T. L. Schultz, $10; G. D. Smith, $15; J. T. Smith, $5; E. T. Wold, $5; D. U. Zamora. $25.

Dept. 101, Sheet Metal: J. B. Perez, $22.50.

Dept. 102, Sub-Assembly & Processing: M. L. Breckenridge, $10; G. M. Butcher, $10; P. W. Kincheloe. $15.

Dept. 201, Sheet Metal: S. I. Moore, $8.50.

Dept. 203, Welding: B. T. Hutto, $10; O. D. Sanders Jr., $10.

Dept. 215, Machine Shop: B. J. Alarid Jr., $16.50; R. C. Leischner, $10.

Dept. 252, Electric Bench & Fabric: M. J. Weir, $50.

Dept. 300, Field Operations: A. L. Holton and V. C. Isaak, $50 each.

Dept. 303, Model 8 Flight Test Operations: J. S. Price, $5.

Dept. 313, Model 8 Flight Test Operations (Holloman): W. E. Davis, $5.

Dept. 350, Proofing Mock-Up: J. Hahn, $5.

Dept. 355, Fabric & Tubing: D. R. Wilson, $10.

Dept. 403, Tool & Die Shop: H. Strever, $10.

Dept. 406, Plaster Pattern Shop: S. L. Burnley, $10; M. M. Sugg, $15; W. R. Walker, $15.

Dept. 410, Purchasing: R. T. Gaughen, $15; G. L. Miller, $5.

Dept. 522, Manufacturing Control: J. W. Andrew, $10.

Dept. 524, Tooling: H. W. Durfey, $85.

Dept. 528, Inspection: W. C. Bowen, $100; D. M. Harris, $10; C. C. Westcott, $10.

Dept. 603, Tool Manufacturing: C. M. Cox, $64 (final payment).

POMONA

Employee Suggestions for the period ending May 20 totaled $605. They were:

Dept. 3: H. P. Hermenau, $10.

Dept. 6; J. Lopez, $10; A. M. Smolen, $10.

Dept. 13: L. W. Wilkins, $37.

Dept. 25: F. J. Nolan, $20; R. M. Lewis, $20; W. Edwards, $75.

Dept. 27: R. W. Dickinson, $15; A. E. Meyers, $15.

Dept. 42: A. J. Guest, $24.50.

Dept. 51: F. L. Curtis, $50; F. G. Eddy, $36; G. C. Marshall Jr., $14; I. L. O'Connor, $18; G. C. Pizzuti, $32; T. B. Tatum, $15; D. A. Wright, $15.

Dept. 52: Cora J. Gordon, $30.

Dept. 61: F. E. Peterson, $15.

Dept. 62: W. A. Robbins, $15.

Dept. 63: T. G. Moleski, $15; M. J. Papa, $18.

Dept. 72: C. F. Ayres, $17; A. H. Bottles, $30; E. L. Fleenor Jr., $23.50; P. K. Nicholson, $15.

Dept. 73: L. Holmes, $10.

CIP's for the same period included:

Dept. 22: B. B. Winger.

Dept. 61: L. B. Styvaert.

Dept. 63: H. E. Knox, J. R. Peyton, N. B. Phelps.

Dept. 73: J. L. McCurdy.

Deaths

SAN DIEGO

PETRACEK—Ervin E., Dept. 407. Died May 22. Survived by son, Bernard E. Petracek, mother, sister.

SHAFER—Mary E., Dept. 225. Died May 15. Survived by husband, Ray E. Shafer; two daughters, Ruby Polovitz (Dept. 9), Sandra Keller; one son, Bill Keller.

WOOD—Marguerite M., Dept. 258. Died May 18. Survived by mother, father, brother.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (if no answer, call 6278). Staff: James Combs, Jr., Elizabeth McCuistion.

Elo Winner in Club Election

(Continued from Page 1)

as treasurer.

Approximately 83 per cent of the eligible voters cast their ballots during the May election, according to Bill Holland, chairman of the nominating and election committee.

Thirty-nine candidates were included in the balloting list that saw wide spread interest in two political parties and a group of independent candidates.

Elo headed a group known as the "Members Party," while Maynard Bjorstrom, unsuccessful presidential aspirant, led the second party known as "Your Team."

Zook led the field for the first vice president's chair, winning over P. D. Ferrara, Dept. 6, and R. H. Lange, Dept. 14. In the second vice president's race, Damarus defeated R. S. Cunningham, Dept. 5, J. I. Luckett, Dept. 522, and J. P. Strachan, Dept. 60.

M. L. Sweeney, Dept. 522, was unsuccessful in his campaign against Nipper for record secretary, while Terrien won over E. E. Hartzler, Dept. 8, for financial secretary and Caldwell defeated L. F. Tubbs, Dept. 4, and Frank Budz, Dept. 250, in the treasurer's race.

Second Annual CRA Picnic to be Saturday

(Continued from Page 1)

which will take place on a special stage in front of the grandstand.

The parking lot immediately west of the fairgrounds will be used, and it may be entered through gate 18 which opens off Walnut Ave. The fairgrounds will then be entered through pedestrian ticket gate G.

"Everything has been planned with the entire family in mind," Wheeless continued, "There will be a first aid station to care for scratches and bruises, and an ambulance will be present throughout the day. We will also operate a 'lost and found' station.

"Families should feel free to bring their own picnic lunches, but there will be food and refreshment concessions operating throughout the day for those who don't. Everything will be sold at reasonable prices."

Bond Buyers Rise As Result of Drive

(Continued from Page 1)

a campaign was conducted over the same period. Convair FW showed an 11 per cent increase, rising from 61 per cent at the start to 72 per cent at the finish.

More than half of all the FW bond buyers signed up for $100 bonds.

Meanwhile at Pomona the campaign is being extended and no figures were available as to increases.

Personals

SAN DIEGO

We wish to take this means of expressing our heartfelt thanks to Dept. 31 employees and all the other Convair people, including Con-Trib Club, for the wonderful way they came to our aid when we lost our home by fire. We shall always be grateful.

Mr. and Mrs. Walter Duvall
and Family, Dept. 31

* * *

Thanks to all of our Convair friends for the beautiful floral tributes and other kindnesses extended to us at the death of our father and husband, W. W. Anderson.

Merle A. Harris, Dept. 6
Mrs. W. W. Anderson

* * *

I wish to extend my sincere thanks and appreciation to the employees at Convair who were so kind to me and my family in the recent death of my mother, Mrs. Mary Shafer, Dept. 225. Co-workers of my mother (Dept. 60, 70, 225) and of myself (Dept. 9) have been more than kind.

Mrs. Ruby Polovitz

* * *

I wish to express my thanks and appreciation to Convair employees in departments 102, 28 and 22 for their many kindnesses to me during my recent stay in the hospital.

Ada H. Hill, Dept. 102-5

POMONA

My sincere thanks to my many friends at Convair for their flowers, cards and other expressions of sympathy following the death of my father, A. L. Marker Sr.

A. L. Marker Jr., Dept. 53

Convair SD Couples Will Turn Salesmen To Aid Hospital

(For picture, see page 5)

Convair SD husband-wife teams will turn salesmen Saturday (June 4) when they help operate booths at the second annual Children's Hospital Fair scheduled from 10 a.m. to 5 p.m. at Town and Country Hotel.

Purpose of the Fair is to raise funds for the Children's Hospital now in operation on Kearney Mesa.

A sportsman's booth will be operated at the Fair by the Silvergate unit, Women's Auxiliary of the Children's Hospital, featuring items for the angler, nimrod and outdoorsman. Convair SD employees will act as salesmen at the booth including Mr. and Mrs. C. W. Blakey, F. S. Chambers, Gordon Waite, Thierry Rogers, Richardson Nicholson, Edwin Reynolds and William Waite.

Convair SD employees have contributed $11,875 to the Hospital this year through action of their Con-Trib-Club. In 1954, Con-Trib gave the hospital $7,500.

Mary Shafer Dies Of Auto Injuries

Mrs. Mary Shafer of Dept. 225 at San Diego was killed and her husband, Ray Shafer, was critically injured when their car was struck by a train in Norwalk, Calif. May 15. Mrs. Shafer had been with Convair about seven years. Survivors include her daughter, Ruby Polovitz of Dept. 9 SD, another daughter, Sandra Keller, and a son, Bill Keller, both San Diego high school students.

* * *

Ervin E. Petracek, assistant foreman in Dept. 407 at SD, died last month after a lengthy illness. He had been with Convair about ten years. Survivors include a son, Bernard E., his mother and a sister.

* * *

Lucille Metcalf's Husband Dies at SD

Curt L. Metcalf, San Diego businessman and husband of Lucille Metcalf, longtime member of experimental flight department at Convair San Diego, died suddenly May 23. He apparently suffered a heart attack while about to enter his car en route to a doctor's office. Funeral services were held May 26.

* * *

Wound Fatal For Marguerite Wood

Marguerite M. Wood, widely known member of Dept. 258 at San Diego, was shot and wounded fatally last month in a domestic tragedy in which she was involved as a family friend.

Although Miss Wood had been with Convair only four years, she had a wide circle of friends, was active in the CRA Riding Club and the Delta Divers. She is survived by her parents and a brother.

* * *

Service Engineer Fatally Injured

Robert W. Shaver, 38, service engineer at Convair Pomona, died May 18 as the result of an automobile accident May 16.

At the time of the accident Shaver was en route to Inyokern where he had been stationed the past two years. The funeral was held May 20 in San Diego. He is survived by his wife, Jean, and a daughter.

Social Security Office Opens Pomona Branch

E. H. Leuin, field representative of the Social Security office in San Bernardino, will be in Pomona three mornings a week in the future. He will be at 580 S. Main from 8:30 a.m. to 12 noon each Monday, Wednesday and Friday, and will accept applications for new or duplicate Social Security numbers, and applications for old age and survivors insurance benefits.

Model 240s, Refugees From Communist China, Get Steady Job at Last

A rejuvenated Convair-Liner 240 was due to leave San Diego late last month for Ithaca, N. Y. and the resumption of a passenger carrying career that was interrupted almost six years ago.

One of three model 240s purchased by Mohawk Airlines, the ship has been at Convair SD several weeks while Mohawk personnel attended Convair's ground and flight training courses.

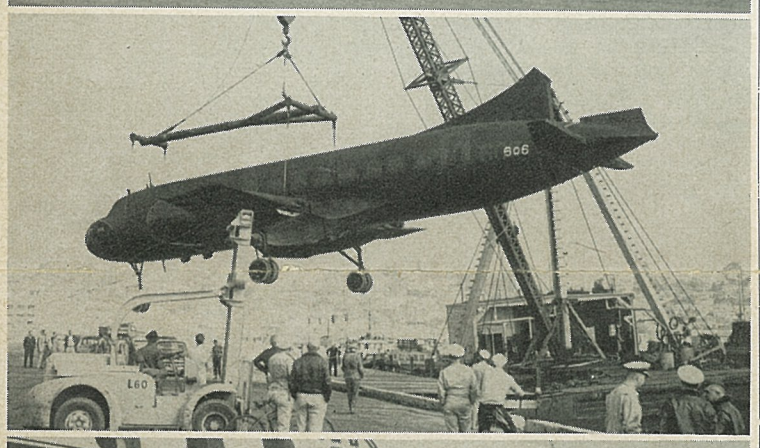
The three Convair-Liners were part of a fleet of six delivered to the Central Air Transport Corp., a Chinese Nationalist airline, shortly before the fall of China to the Communists. They saw brief service evacuating personnel and supplies from Canton to Hong Kong, followed by a long period of inactivity while legal custody was being determined. In 1952 five (the fate of the sixth is unknown) of the airplanes were returned to Convair SD and placed in "fly away" status and then stored at Glendale.

Two of the airplanes are now flying as executive transports for business firms while the remaining two are being returned to full flight status with parts kits supplied by Convair to Grand Central Aircraft Co. of Glendale.

C. A. Benscoter, Mohawk's vice president-operations, and pilots J. H. Ganley and Steve Gondek attended the training sessions at Convair SD.

Howard Craig, Convair service engineer, and Lanny Rice, Convair flight engineer, are now at Ithaca setting up training programs for Mohawk ground and flight personnel. Convair Pilots Loren Pilling and Roy Adkins will assist in training Mohawk pilots.

The three model 240s are expected to enter service for Mohawk around July 1.



NEW UNIFORM—A Convair-Liner model 240 is shown above as it looks today and as it looked when returning from a tour to China. Photographed beside the ship recently at SD are J. H. Ganley and Steve Gondek, check pilots, and C. A. Benscoter, vice president-operations, all of Mohawk Airlines.

Cameras Clicking Steadily at FW Creating New Pics For ID Cards

Every 90 seconds an employee is "shot" at Convair Fort Worth these days.

That's the rate at which Convair employees are getting their pictures made for new identification cards.

According to C. E. Doering, civil defense co-ordinator, 8,000 employees already have been photographed for new cards.

That includes all employees in the administration building (with the exception of engineering department) and a number of factory employees.

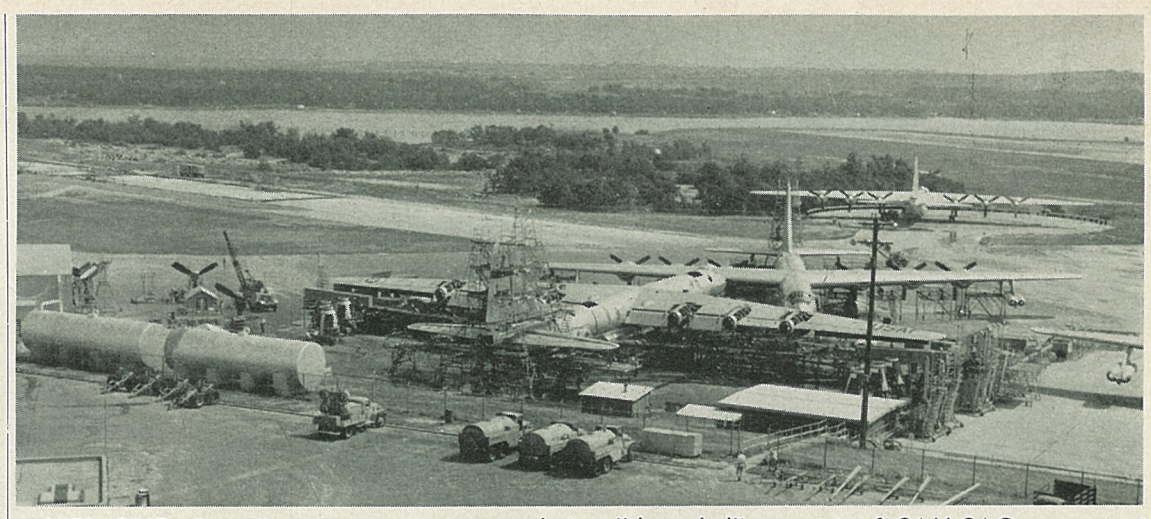
This week industrial security crews are located at Col. 159C, where an average of 250 employees have pictures taken each day.

When photography work is completed, the cards will be laminated with a clear vinyl covering.

Cards will be issued to the departments when work is completed on each group.

Doering said he hopes to have all cards out by early fall.

New ID cards are being issued to all employees to comply with a Department of Defense ruling. The cards will have larger pictures and will be more flexible than the cards now in use.



STEP ONE—B-36 lines up preparatory to being "de-sealed" as part of SAM-SAC process at Convair Fort Worth. Considerable special equipment is required, such as tanks at left that store waste and fresh water. They were designed specially.

Raffle Winner Gives Car to Pomona Pair

Because a friend kept a promise he made as a joke, Convair Pomona's Anna Shoemaker (Dept. 6) and her husband, Leonard, now have a new —to them, at least—car.

It started several weeks ago when Shoemaker sold three tickets on a new Pontiac to a friend, Walter Meredith of Ontario. Meredith, while forking over a dollar for the tickets, said: "If I win I'll give you my old car."

Meredith won the new Pontiac, and last week the Shoemakers, who had all but forgotten his promise and didn't take it seriously anyway, were presented with the pink slip to the old car—a 1947 Ford.

Eleven 'Excellents' Recorded at Pomona

Eleven Convair Pomona departments received "excellent" ratings in the monthly housekeeping summary for April, T. R. Smith, Safety assistant supervisor, stated.

The eleven were: Engineering area 2, Administrative Services, Manufacturing Control, Plant Engineering, Experimental Factory, Tool Manufacturing, Sheet Metal, Processing, Final Assembly, Checkout Equipment Maintenance, and Missile Checkout and Data Reduction.

All others received "good" ratings. They were: Material, Engineering area 1, Engineering area 3, Quality Control, Machine Shop, Sub-Assembly and Electrical Assembly.

Nuclear Propulsion Chief Leaves FW

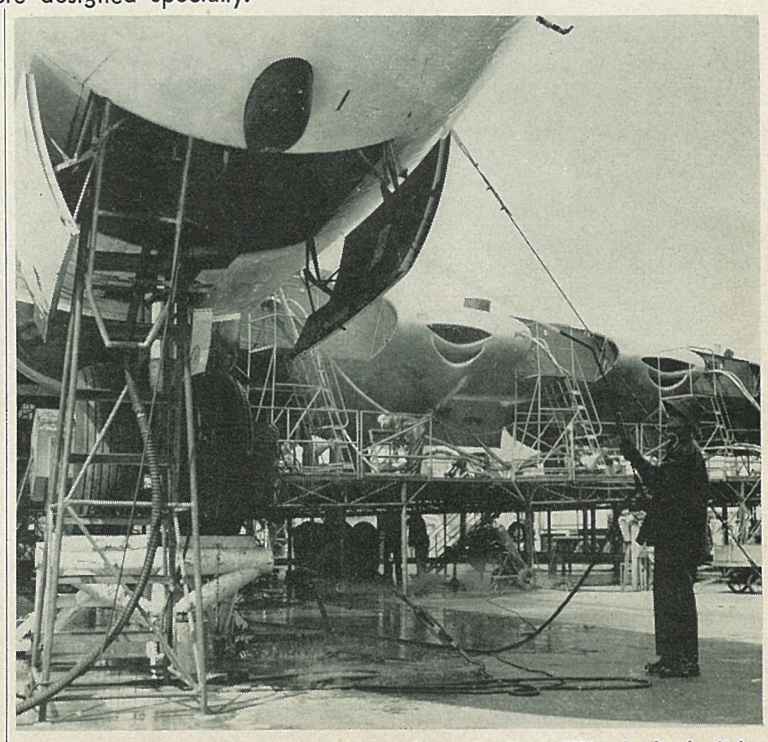
Lt. Col. L. H. Ballweg left Convair Fort Worth early this month to assume duties at Wright Air Development Center in Dayton.

Col. Ballweg was chief of the WADC aircraft nuclear propulsion program in the Fort Worth office at Convair. He was in the WADC-ANP office for three years.

An informal farewell ceremony was given in his honor by August C. Esenwein, manager, and members of the FW division operating council on May 23.

NEW LIBRARY VP

Loyd L. Turner, special assistant to the division manager at Convair Fort Worth, has been elected vice president of the Fort Worth Public Library Board. He has been a member of the board for the past two years.



WET JOB—D. O. Watson at Convair Fort Worth finds "de-sealing" a damp task. B-36 nose is tilted about three feet during operation.

FW Invents 'Sprinkling System' For De-Sealing B-36 Tanks

An old process got a new slant recently at Convair Fort Worth in the mammoth task of reconditioning B-36s in SAM-SAC work.

It's de-sealing—a job that gets rid of the sticky sealant used to keep fuel out of the parts of the wing where it doesn't belong.

According to G. S. Adams Jr., plant engineer in charge of the project, the de-sealing job is done with a special chemical substance that's sprayed inside the tanks.

The chemical is sprayed in through 1,140 spray nozzles at various points on the wings. Through these fan shaped nozzles, 2,280 gallons of chemical solvent pass each minute.

"The nozzles rotate like a lawn sprinkler," said Adams, "so there's plenty of force cleaning and dissolving the sealant.

"All this dissolved material is strained and stored in a tank of waste water."

And the still-liquid part of the chemical is recirculated. But before it is, the chemical passes through refrigerated heat exchangers. That's so the de-sealant will be exactly the right temperature to do the best job.

"When the chemicals have properly dissolved the sealant in the tanks," said Adams, "a fresh water rinse goes through the spray nozzles. This created a problem for us.

"We needed more water than was available. So we built our own storage tanks. They hold 30,000 gallons."

Scott pointed out that one of the tanks is for fresh water. The other holds waste rinse water.

Other equipment used in the operation is housed in compact trailers located near the wash stations. The trailers house the filters, pumps, refrigeration equipment, tanks and all automatic controls. Two of these units are required to do the job for the tanks on a B-36.

"We can operate both tanks at the same time," said Adams, "and completely de-seal the tanks in one operation."

When the tanks are free of the old sealant, the tanks and wing sections can be cleaned thoroughly. This finished, new sealant can then be applied.

Plant engineering department designed the piping, installation, the water tanks, foundations and extension of the additional electrical wiring.

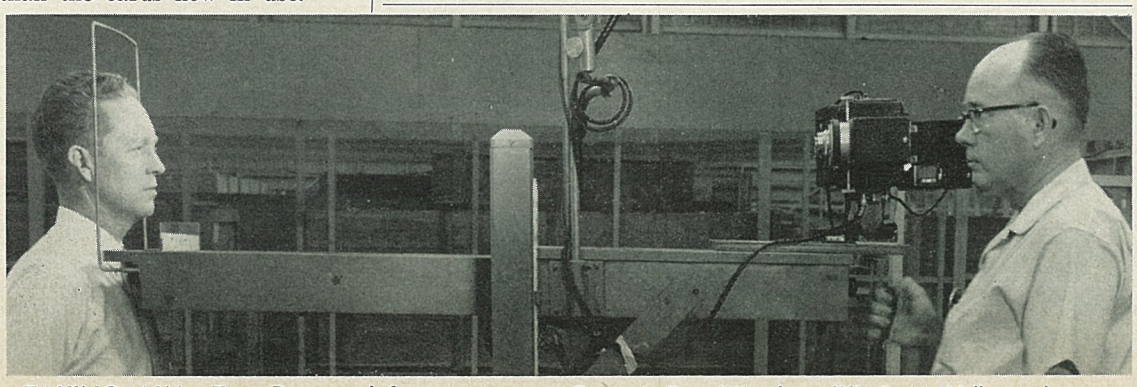
ROTC Student Gets Convair FW Award

Convair Fort Worth recognized the Texas Christian University Reserve Officers Training Corps May 20 in a presentation ceremony held in conjunction with Armed Forces Day.

The Convair award was presented to Cliff F. McCluney Jr., AF ROTC, for his interest and aptitude in flying and associated subjects. M. M. Holloway, Dept. 2-5 administrative assistant, made the presentation.

At the same time, M. L. Hicks, assistant manager, gave the TCU Ex-Students Association Memorial Award to Jerry Williams, Army ROTC student. Hicks is president of the ex-students group.

In addition, two awards from the Fort Worth rifle and pistol club were presented by D. A. Tooley, of engineering, president of the club. Winners were Ed. H. Buchtel for the Air Force and Leslie F. Perkins for the Army.



TAKING AIM—Tom Dewett, left, is target at Convair Fort Worth as W. E. McMillan takes aim. It's all part of mammoth job of supplying new ID cards to everyone.

GOING UP—Joe Arnold of Convair FW uses this 1927 model Fleet biplane for stunt flying. Engine has habit of conking out when flying upside down. Arnold merely goes into inverted dive to start it again!

Inverted Dive Revives Conked Engine On Convair FW Stuntman's 1927 Plane

Joe Arnold, Convair Fort Worth Dept. 92 aircraft assembler, has a hobby that really keeps him "up in the air."

And that hobby, of course, is flying — preferably stunt flying. Any kind of stunts. The more unlikely the better.

The airplane he uses is a Fleet —of 1927 vintage, though it's been modernized in some respects. It's virtually an antique as airplanes go. (Actually, it was built by Consolidated Aircraft Corp., a Convair parent company, when Maj. Reuben Fleet was president.)

Arnold performs a variety of stunts, such as Cuban Eights, snap rolls, double snap rolls and the like.

And making it even trickier, Arnold reports that when he flies upside down in the crate, the engine conks.

"But all I have to do then is go into an inverted dive," says Arnold. "That starts the engine again."

"I don't do much of this in the Fleet, though. I usually figure it's safer in a more modern plane. And no matter what plane it is, I wear a parachute—just in case."

Arnold's been interested in planes since he was four years old. That was when he made his first flight with his father.

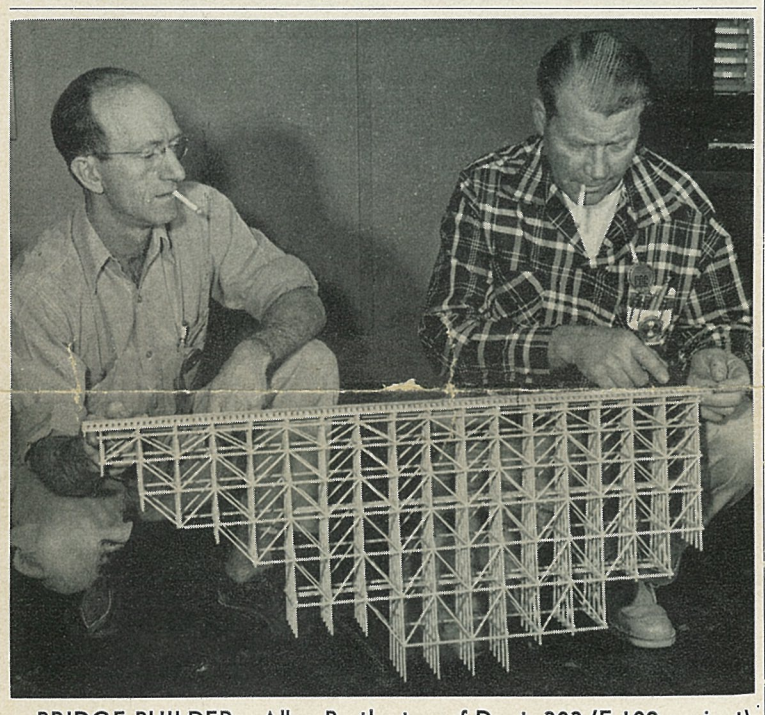
During the war he chalked up 143 missions in New Guinea. Since the war, he's flown just about every type of plane he can get his hands on.

Even though Arnold's father and uncle were both killed in crashes, he still loves to fly.

But it isn't all just for fun. He's a member of the Panther Squadron of the Civil Air Patrol. Their headquarters at Russell Field is complete with radio setups and several planes.

"Our job is air search and rescue," said Arnold. "Our cadet program provides training for young boys and girls.

"We're always interested in new members. Any Convair people interested in aviation are invited to join us at Russell Field any weekend."



BRIDGE BUILDER—Allen Brotherton of Dept. 303 (F-102 project), left, shows model railroad bridge to Mike Biagi, also Dept. 303. Brotherton intends to install it in his home layout at San Diego. Trestle weighs less than a pound and is made of balsa and bass wood.

Road Comes Later

Model Railroader at Edwards AFB Builds Bridges Before His Layout

The fellow who put the cart before the horse has nothing on Convair's Allen Brotherton. He's building his "bridges" before he starts his "road."

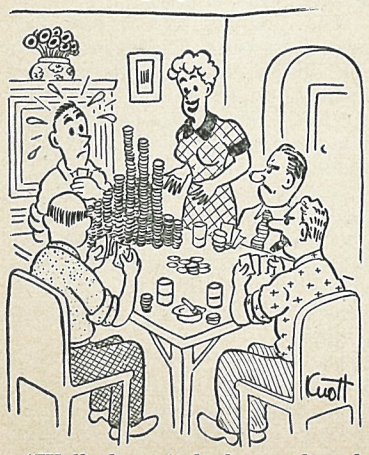
The "bridges" are actually exacting scale model trestles that will be used on his "road," a model railroad layout he plans to build in the basement of his San Diego home.

Brotherton, assigned to the F-102 flight test program at Edwards Air Force Base, found limited living quarters in Lancaster interfered with the hobby he took up two years ago. So he decided that if he built his trestles and other detail parts at Lancaster he would have little trouble putting together the complete 10 x 20 foot layout later.

To date he's constructed seven trestles of varying sizes. The largest is 36 inches long and 15 inches high and built to "HO" scale (⅛ inch equals one foot). It contains 837 pieces of balsa and bass wood glued together. The only metal is in the rails and the spikes which hold them. While weighing under a pound, the trestle will support 51 pounds at its center.

Brotherton devised an unusual jib arrangement for constructing the trestles. By altering the jig he can put together various sizes of trestles. He's also found that by pre-cutting (with a razor blade) his wood, he can maintain a stock which enables him to erect a normal trestle in about two hours. His first big job took him five weeks of spare time labor.

Active in model railroad groups in Lancaster and at Edwards, Brotherton found other model railroaders liked his work and is now turning out a limited number to sell to friends.



"Well, dear, it looks as though the money you paid for the special cards was well spent."

Engineer's Paper Attracts Attention

A paper presented by Convair Pomona's J. B. Ottestad, engineer in charge of the structural test labs, at the Shock and Vibration Symposium conducted several weeks ago at Wright Air Development Center, Dayton, Ohio, has created widespread interest.

Ottestad's paper, entitled "Development and Operation of Shock Towers for Missiles and Missile Components," has been responsible for numerous inquiries from government agencies, and in several instances representatives of these agencies have traveled to Pomona in search of additional information.

DRUM, BUGLE CORPS MEMBERS SOUGHT

Convair SD veterans and nonvets were invited this week to join a drum and bugle corps sponsored by Post 6, American Legion. C. I. Peterson, SD Dept. 524, is drum major. There are no dues and instruments are furnished. They meet at 8 p.m. each Monday at 27th and B.

Minus Radiator

New Type 'Draggin' Wagon' Built By FW Group With Speed in Mind

Two thousand dollars may be a dear price to pay for a car that'll go only a quarter of a mile at a time—

But three Convair Fort Worth employees and a couple of their friends are happy to pay it for the thrill of doing that one-quarter of a mile at considerably better than 100 miles an hour.

The hobbyists are: Page Holland, Dept. 22-6; Jim Williams, Dept. 22-1; and Gene King, Dept. 6.

They're joined by Bill Wells, a former Convair employee; and M/Sgt. Bill Hofer, a B-36 flight engineer at Carswell Air Force Base.

Headquarters for the drag car is a garage at Saginaw, a small town on the outskirts north of Fort Worth, where they're hoping they'll come up with the fastest "draggin' wagon" in these parts.

"We're building the car to run one-quarter of a mile—and no more," explained Williams. "The track is just that long. That means we can run without a radiator, thus saving weight.

"And the drag car is just like an airplane: the lighter it is the faster it'll go."

They started with the engine—a Ford V-8.

Basic steps in hopping up are these: boring the cylinders larger and stroking the crank shaft for more cubic inch displacement; and porting and relieving the engine block. (This gives more room for the engine to "breathe," so full advantage can be derived from the longer duration cam shaft.)

The car has as few extras as possible.

"Actually it's just a bare frame with only essential parts," said Hofer. "You lighten the load so it will go faster."

The dragster weighs slightly more than 1,200 pounds. This gives it a very desirable weight to horse power ratio, a must for acceleration.

The frame and running gear were originally stock Ford parts. The car is all handmade—even to the sheet aluminum used for the body.

Hofer mixes the fuel, using his own formula for maximum acceleration and top speed.

King estimates the cost of the car between $1,800 and $2,000. The group pooled their resources to finance it.

When Williams gets behind the wheel of the car in races, he hopes for speeds of 100 miles per hour and up. Most dragsters attain a top speed of 100 to 135 mph in a quarter mile. National record for these cars is 147.035 mph.

They estimate it will take less than six seconds to go from 0 to 60 mph. The average automobile takes 11 to 15 seconds.

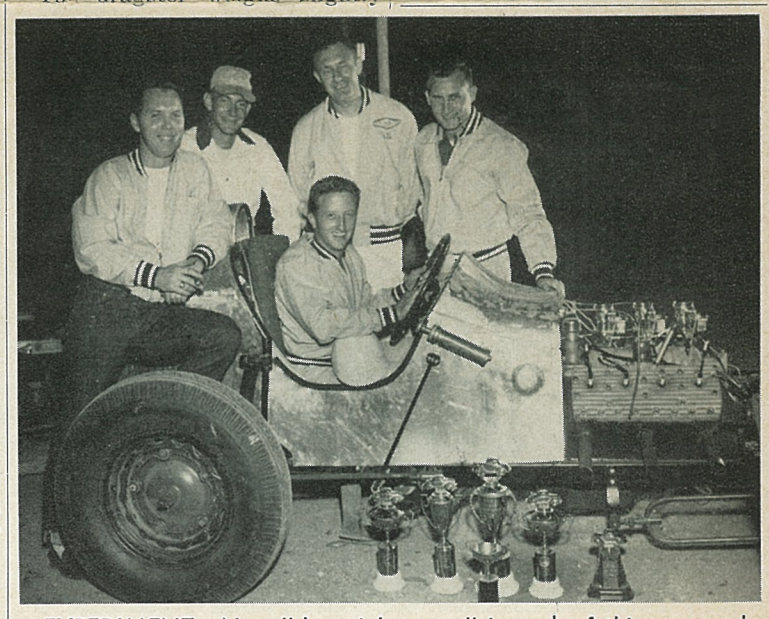
"We sure do hope our wagon will meet all our expectations," said Wells. "But if it doesn't—we've got a few more tricks to try out."

They plan to race their car in the Caddo Mills, Texas, Drag Races, June 4 and 5. Races are held there the first weekend of each month throughout the summer.

J. F. Hopkins Elected To Head SD Chapter

J. F. Hopkins, office services manager at Convair SD, last month was elected president of the San Diego Chapter, National Office Management Association.

Active in the organization since 1953, Hopkins served as first vice president and program chairman in 1954 and as acting corresponding secretary in 1953.



EXPERIMENT—New "draggin' wagon" is work of this group who display trophies won last year with another car. Left to right, Gene King, Dept. 6; Bill Wells, former Convair Fort Worth man; Bill Hofer, Carswell; Page Holland, Dept. 22-6; and Jim Williams, Dept. 22-1, in the driver's seat.

Jack Williams, an Honorary Chief, Shows Indians Something 'New'

Convair Pomona's Jack Williams (Dept. 6) is now an honorary chief in the Coahuila Indian tribe.

Williams, who is the CRA Rockhound commissioner, is also district commissioner of the Coahuila District of the Boy Scouts of America. This district includes Claremont, LaVerne and San Dimas, and is a part of the Old Baldy Council.

"A few months ago our district was re-organized, and in casting about for a name we decided to name ourselves after the Coahuila Indian tribe," Williams said. "Since then Scouts and leaders in the district have become interested in Indian lore, and last month we arranged for a weekend 'camporee' on the Coahuila Reservation.

"The Coahuila Indians really gave us a welcome, and around our campfire on Saturday night the leaders of the tribe made all of us honorary members of the tribe, and I was made an honorary chief," he said. "The following day they staged a real round-up for us, and the entire trip was so enjoyable that we are planning to make it an annual affair."

Williams was also involved in another incident on that Saturday night.

"While we were gathered around the campfire I was wearing an Indian headdress which I sometimes use in our Scouting affairs. All of the Coahuilas were wearing conventional clothing. Someone tapped me on the shoulder, and when I turned I saw one of the tribal elders standing there.

" 'Would you mind stepping over here for a minute?' he asked. 'My kids have never seen a real Indian headdress'."

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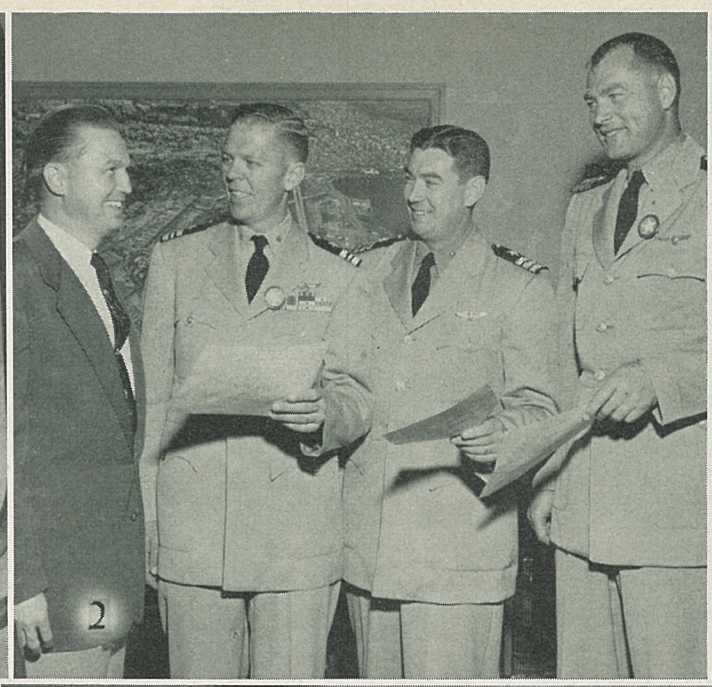

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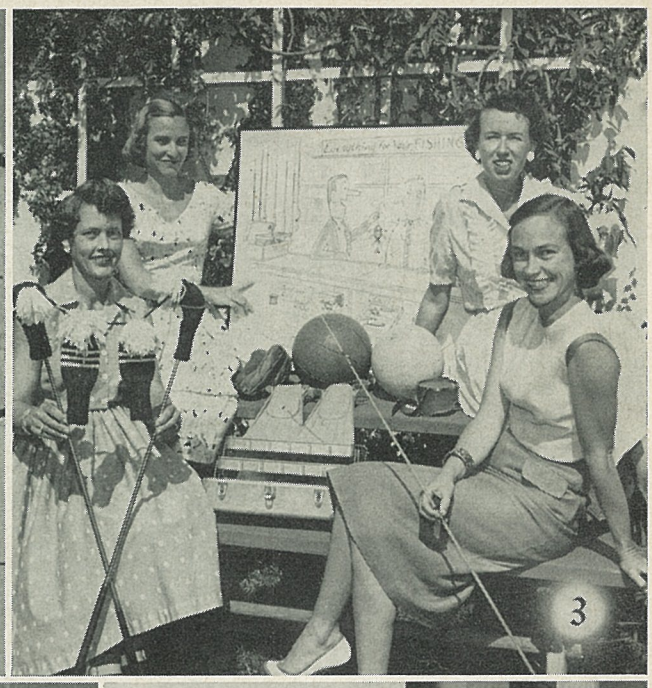

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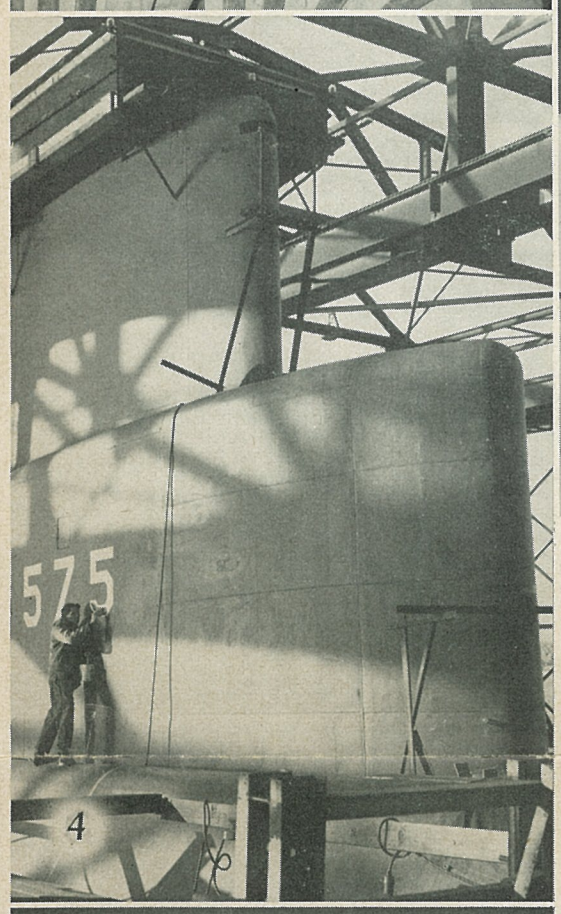

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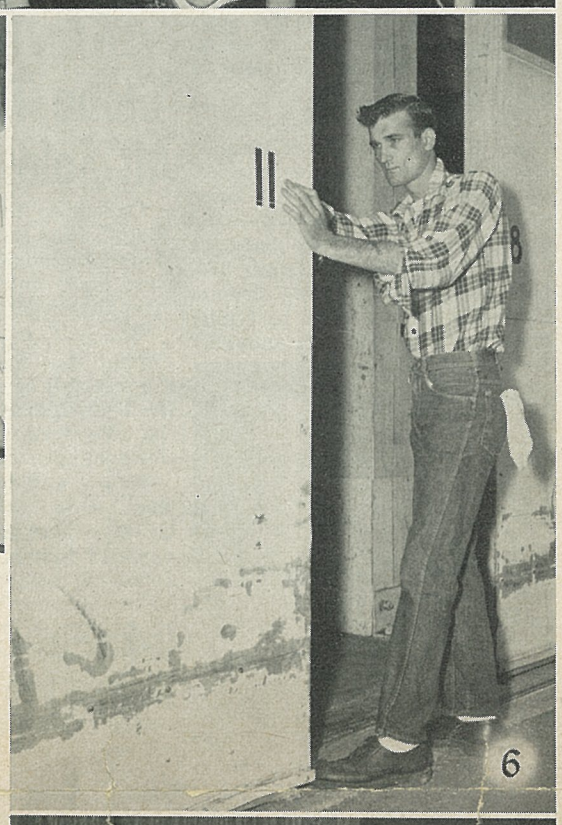

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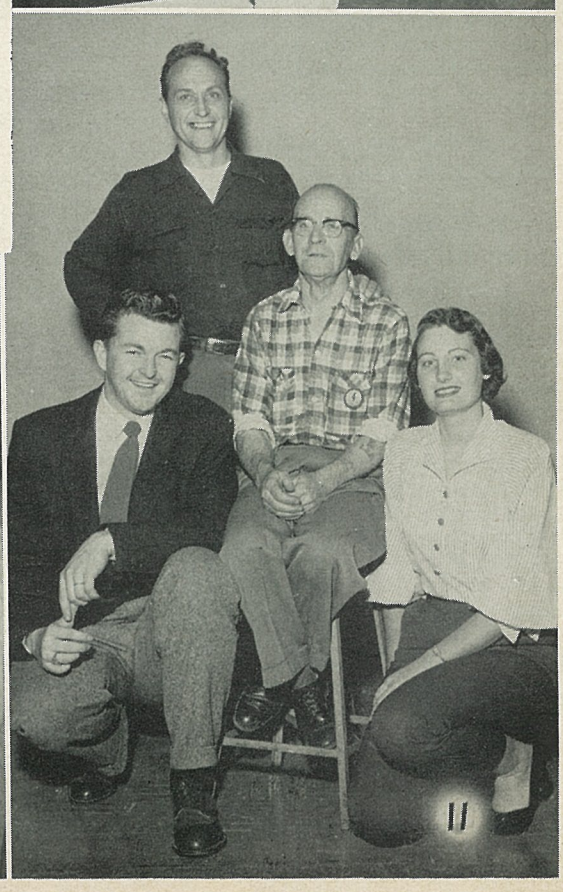

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(1) Big part of major overhaul at Convair Fort Worth involved renovating monster boilers that play part in keeping plant warm in winter and cool in summer. Curt Williard, left, Air Force civilian, and Henry Marino of contractor firm, inspect finished product.

(2) Latest to receive certificates as "Delta Pilots" (signifying they have flown delta wing planes) are these from Patuxent Naval Air Test Center, Maryland. First Navy flyers so qualified, they flew evaluation tests on Sea-Dart at San Diego. Left to right: SD Manager B. F. Coggan, Lt. Cdr. E. R. Horrell, Cdr. U. L. Fretwell, Cdr. H. C. Weart.

(3) Convair SD wives ready equipment for "Sportsman's [illegible]" they will operate at Children's Hospital Fair to be held Saturday, June 4, at the Town and Country Hotel, 10 a.m. to 5 p.m. Left to right: Kay Reynolds (husband, Ed Reynolds, Dept. 5), Jane Blakey (husband, C. W. Blakey, Dept. 11), Betty Waite (husband, W. H. Waite, Dept. 202), Anna Chambers (husband, F. S. Chambers, Dept. 11). They are members of Silvergate Unit of Women's Auxiliary for hospital.

(4) Second nuclear submarine, Seawolf, built by Electric Boat Division of General Dynamics Corporation, receives its number at Groton, Conn. Seawolf will be launched next month.

(5) This was taken at CRA Fashion Show at Pomona last month. "Waiters" are, left to right: Bill Seeger, Jess Taylor, Herb Naish and Chet Wheeless. Seated are: Elizabeth McCuistion; Martha Woodberry and Grayce Fath (women's commissioners from SD); Jackie Daoust, Pomona women's commissioner.

(6) James M. Patterson of Dept. 25 at SD needed no convincing last month on the advisability of safety shoes. A Building 5 door rolled onto his toes, ripped the leather but left him with uninjured toes.

(7) The last T-29 wing was lifted from the bucks last month at Plant 2, San Diego, and was the occasion for fanfare in Dept. 225, as well as poetry. One of several signs read: "This is the last 29 'tis true / Of Convair's Operation Blue / But do not worry, stew or fret / Just get to our Operation Jet."

(8) Pomona Management Club held annual "Ladies Night" at Rainbow Gardens May 20, attended by about 325. Fred Ault (Dept. 6) provided organ music during dinner. Brief business session included award of "Man of the Month" to Ken Jackman, left, by Bill Cobb.

(9) Jean Major, secretary to Pomona Manager C. F. Horne, recently appointed a national director of Executives' Secretaries Inc. She is a pilot, incidentally, but right now prefers sports cars.

(10) SD industrial accounting supplied the 20 clowns for the Convair SD Management Club party for children at Mission Beach recently. Receiving make-up from Dorothy Hanson of photographic laboratory, right, are John Jadka, Ed Hamer, Al Vernon and Jim McFall.

(11) This is a true Convair family. Joan Porter is in Dept. 31 at Pomona; her husband is John Porter of Dept. 6; her father is W. M. Sweitzer of Dept. 14; her grandfather is L. K. Rowe of Dept. 4!

Rivets

Mel Clause, the much traveled field service engineer whose reports are liable to include anything from tips on bathing in Finland to how to get a taxi in Istanbul, jibed **Convairiety** gently recently. It was in reply to an item of some weeks back in which Clause described a Finnish sauna (steam bath) and his temperature figures seemed to us just a trifle astronomical. He writes from Hamburg:

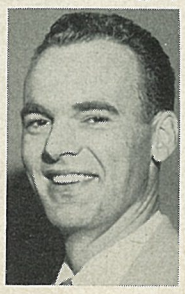
"No report on saunas will be given in this report, as it appeared from **Convairiety** that my thermal veracity has been questioned.

"There's no use doing these daring things if no one will believe me. Honor demands, however, that I challenge **Logan Jenkins** to sauna, with birch whisks at two paces."

* * *

Now and then **Convairiety** pulls a blooper, though not too often, we hope. In the May 18 issue we pulled two, however.

One involved a four-foot long model boat for which we claimed a speed of "two miles a minute." Now that's 120 miles an hour, which is quite a good clip, and several boat builders, such as **L. H. Stevenson** of Dept. 350, have been hot to get the design. (It should have been a half mile a minute, which is fast enough.)



R. C. Pederson

The other slip was more involved and, in effect, gave **R. C. Pederson,** SD manager of estimating, a 15-year emblem somewhat ahead of time.

Lewis Grant (Dept. 9-5) was the one who had received a 15-year emblem, but somehow or other the pictures of Grant and Pederson were switched. We've finally got it straightened out now. For Grant's picture, see page 2. For Pederson's profile, see this column.

* * *

When the square dancing SD Hoedowners traveled to Pomona by bus for a joint session with Pomona dancers, they can thank Pomona's **Chet Wheeless** for the fact that they arrived on time.

Booming along on the freeway, there was great doubt in the driver's mind as to where to turn off. While driver and passengers alike were wondering where they were, and fearful of being swept with the traffic to somewhere around Santa Monica, there appeared a tooting automobile directly in front of them with a sign on back: "Follow Me, Hoedowners!"

It was thoughtful Chet Wheeless' car and the SD contingent will be forever grateful.

Incidentally, on the way home late that night **Marty Stutz** was checking over his brood and counting heads when he missed **Larry Roth.** He eventually found him fast asleep in a baggage rack!

(That Roth knows a soft spot when he sees it.)

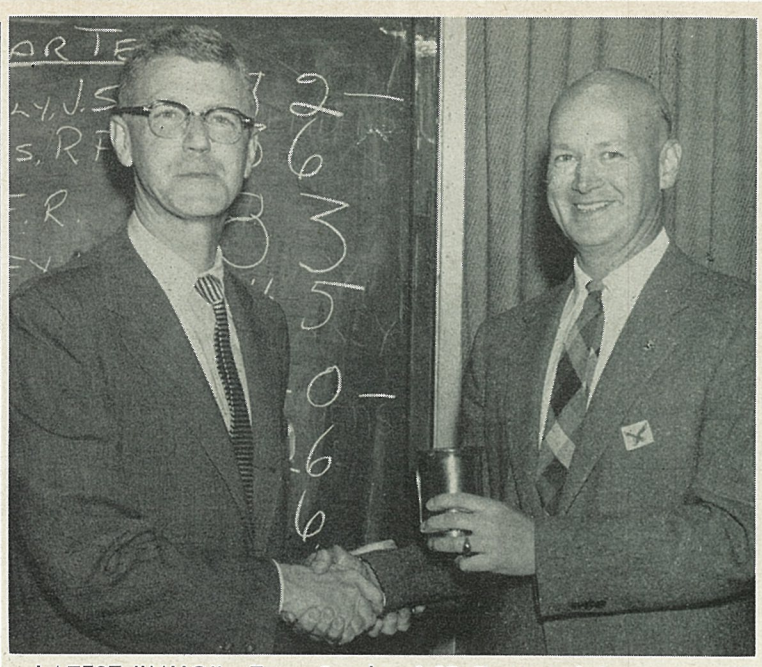
Chop Suey Doubles Next SD Net Event

Entries are still being taken for the "chop suey" doubles tennis matches scheduled by Convair SD tennis players for Saturday (June 4) at Morley Field, Balboa Park.

Convair Pomona will field a small group of players for the tournament, according to CRA Commissioner Chet Dutton. Entries may be sent to Dutton, room 100, Building 19 or submitted by 9 a.m. on the day of the tournament.

Blind Hole Tourney Ahead For Linksmen

Convair Golf Club at San Diego will stage a "six blind hole" tournament Saturday (June 4) and Sunday at Agua Caliente. Starting times for members may be reserved by calling Gerry Cox, ext. 541, Plant 2.



LATEST "MUG"—Tracy Brooks of SD Dept. 6, left, receives SD Management Club's "Mug o' the Month" award from Tom Chadwick of engineering. Photo was taken at May meeting.

'Globe Theater Night' Tickets All Sold Within Hour's Time

Tickets to the "Globe Theater Night" June 14, sponsored by the Women's Council of CRA at SD, were sold out within an hour after they went on sale last week.

"Demand was so great and prompt that one minute we had a house full of tickets to sell and the next minute we didn't," Martha Woodberry, women's activities commissioner reported.

To try and take care of those who were disappointed CRA quickly arranged for another block of tickets for the night of June 15, and these, too, were taken up without delay. Altogether, 585 seats will be filled by Convair theater goers on those two nights. Tickets were sold on a basis of one free ticket with each ticket sold.

Industrial Council Names Two SD Men

Two Convair SD men have been named to head the newly organized San Diego Industrial Development Council. They are Robert J. McPherson, president, and Arthur F. Burns, vice-president, both Dept. 6 men.

Heading the list of projects on the council's agenda are: conversion of sea water; bringing diversified industries to the city; and expanding harbor facilities.

Further information about the organization may be obtained from McPherson, ext. 270, or Burns, ext. 214, Plant 1.

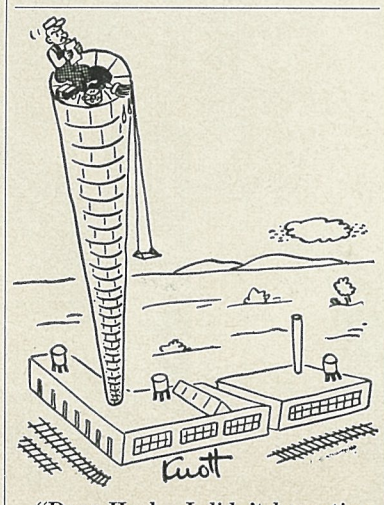
Convair SD Engineer Marries in Mexico

Manuel R. Rodriguez, Convair design engineer at San Diego, and Carolina Trevino of Monterrey, Mexico, were married in that city, May 31.

Accompanying Rodriguez to Mexico for the wedding were Edward Soltesz, John Sawicki and Cornelius Van Twuyver, also of Dept. 6. Following the ceremony the party left by motor for San Diego.

Chess Sets Become Available For SD

Chess sets to be used by Convair SD employees during lunch periods are now available through CRA. Contact Commissioner A. E. Munson, ext. 1520, Plant 1, for information.



"Dear Herb—I didn't have time to fix your lunch today. Here's 50 cents to buy it with. Love, Mary."

Convair SD Drivers Compete in 24-Hour Sports Car Grind

Fourteen members of the Convair SD Sports Car Club took part in the Lockheed 24-hour Rallye, May 20-21, staged over a 655-mile course in Southern California.

The entry list included some 125 cars from all parts of the country.

Forrest Holmes (driver) and Fred Rosacker (navigator), both of Dept. 6 were the only Convair drivers to finish in the money, placing tenth.

The Rallye started at Burbank and covered all types of terrain before returning the drivers to Burbank 24 hours later. At one time the cars moved from dense fog to 104-degree heat within a period of 30 minutes.

Total figures showed that cars entered in the competition traveled 80,000 miles and burned some 20,000 gallons of gasoline.

Vacancies Remain For Hiking Jaunt

Only a few vacancies exist for sons of Convair SD employees to take an eight-day "top of the world" trip into the High Sierra country July 2 through July 10 under joint sponsorship of CRA and the Convair SD Management Club.

The trek will include hiking, climbing, camping and fishing under expert adult guidance. Total cost will be $16 per boy. Only those boys over 14 years of age and in good physical condition will be accepted.

Information is available by calling CRA, ext. 1245, Plant 1.

Horsemen to Ride By Moonlight Sat.

Convair SD Riding Club has a busy two-month period ahead beginning with a moonlight trail ride from Palomar Stables Saturday (June 4).

The June 11 business meeting, also at Palomar Stables, will feature discussions on the formation of a women's escort for the CRA color guard and plans for the club's seventh annual Horse Show scheduled for July 24.

Free Swimming Night At Plunge Saturday

The regular Convair SD swim night is scheduled for Saturday (June 4) from 7 until 9:30 p.m. at Mission Beach Plunge. Free tickets are available at employee service offices at both plants.

CRA Activities at SD

(CRA stands for Convair Recreation Association, an organization to which all Convair employees belong. Financed by proceeds from candy and soft drink machines in the plant, the association is run by a Council of employees who are commissioners of various activities. The association is run by employees for the benefit and recreation of employees. All Convair people should feel free to join any of the groups such as are listed on this page or suggest organization of new activities.)

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays, 6 p.m., Kearney Mesa.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative, AT 1-4612 after 10:30 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Field and broadhead shoot June 12. Instruction Saturdays, 10 to 12 noon, Laurel Street range. Equipment available.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Conference Bldg., Balboa Park.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., adult intermediate (Fox Trot, Mambo); 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10:30, adults (Latin).

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m., for club members only. Regular meetings second and fourth Mondays, each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals each Monday, 7:30 p.m., CRA Club house.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Next meeting, June 8, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1. Sweepstakes June 18-19, Agua Caliente Country Club.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Special instruction restricted to Convair employees and their immediate families at Sonald Ice Skating Studio, 3464 Midway Drive. For further information call AC 2-4467 or visit studio.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (June 2) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners, 9 a.m. to noon; intermediate, 12:30 p.m.; advanced 2 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 507, Plant 2; Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT 4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. Persons interested in the club should contact Membership Chairman, Tom Simpson, HU 8-5923, after 4 p.m.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner. Meetings discontinued until fall.

SWIMMING—Convair swim night for employees and their families, Saturday, June 4, Mission Beach Plunge, 7 to 9:30 p.m. Tickets available at employee services, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Chop Suey tournament June 4, Morley Field.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, June 3: SADDLE TRAMP (color), Joel McCrea, Wanda Hendrix.

Friday, June 10: THE GOLDEN BLADE (color), Rock Hudson, Piper Laurie.

Bargain rate movies each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, June 7: CALAMITY JANE (Technicolor), Doris Day, Howard Keel. MEN OF THE FIGHTING LADY (Technicolor), Van Johnson, Walter Pidgeon.

Tuesday, June 14: DESTINATION GOBI (Technicolor), Richard Widmark. KISS OF DEATH, Richard Widmark, Victor Mature.

SAFARI—More than two score Convair San Diego square dancers, known as The Hoedowners, trekked to Pomona May 13 for session with their Pomona counterparts. Top left shows them as they left SD by chartered bus, and top right, on their arrival. Top center are Paul and Dorothy Robert (he is Dept. 6, Pomona) with daughter Renee, two months, who is youngest member of Convairiety Steppers at Pomona. Below, center, are Larry Roth, Marty Stutz (SD dance commissioners) and Chet Wheeless (Pomona commissioner). Roth and Wheeless are both CRA presidents in their respective communities.

Leib Cleans Up In Bird Finals

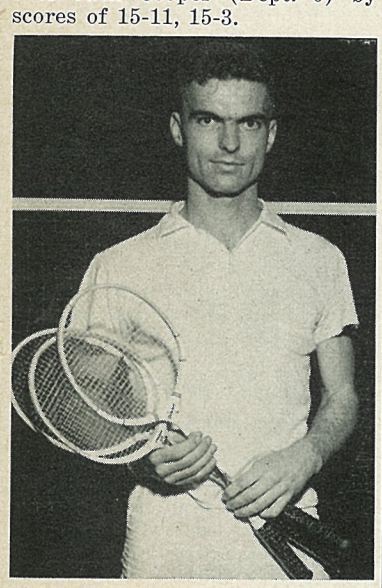
John Leib made a clean sweep of men's events during the seventh annual CRA plant badminton tournament at Convair SD May 21-22.

Leib, eighth ranking United States badminton player, broke into the winner's circle for the first time this year after finishing second the past two years to Marten Mendez, former national champion.

Displaying championship form which won him a place on a United States badminton team that will tour South Africa in July and August, Leib downed Bill Johnstone (Dept. 6) 15-4 and 15-0 in the singles event. Then he teamed with Fred Minter (Dept. 9) to top Johnstone and Don Rumbaugh (Dept. 6) by 15-6 and 15-11 in the men's doubles.

Leib and Helen Claydon (Dept. 6) won the mixed doubles bracket by beating Fred and Floy Minter by scores of 15-8, 8-15, 15-9.

Palmer Chase (Dept. 2) won the men's consolation bracket over Jack Cooper (Dept. 6) by scores of 15-11, 15-3.



BIRDMAN — John Leib of Dept. 6 SD poses after making clean sweep of plant badminton tournament.

SD Camera Clubbers Plan Weiner Roast

Camera Club members at Convair SD will hold their regular monthly meeting for June in the form of a weiner roast and night shoot at Mission Beach Amusement Park beginning at 6 p.m. June 13.

Reservations may be made by calling Commissioner C. E. Schultz at JU 2-6787 or Matt Beddoe at CY 5-5271.

Sports

Thousand Expected For Industrial Gun Shoot

Convair Gun Club at San Diego will be both host and defending champion Sunday (June 5) for the second annual Industrial Gun Shoot scheduled for Valley Gun Club.

CRA teams swept the field last year to win first place in all events and will be shooting for a repeat victory this year with a field of 24 five-man teams. Nine teams will compete in the trap event, seven in pistol events and four each in skeet and rifle matches.

Some 300 contestants are expected to represent at least six firms belonging to the Industrial Recreation Council, sponsors of the affair. In addition, spectators are invited and the total attendance is expected to approach 1,000, according to Jerry Schultz, Gun Club commissioner and chairman for the event.

Teams will start firing at 8 a.m. in pistol events with rifle and trap competition to follow at 9 a.m. and skeet to begin at 10:30 a.m. All events will be staged without handicaps and teams will be composed of both men and women.

Winning teams will be presented individual trophies and perpetual trophies in each event. Impartial judges will be furnished by Valley Gun Club.

"Spectators are invited and there is parking space for all in addition to facilities for food and drink," Schultz said. "Many families will find this an ample opportunity to hold an outing and witness some top notch marksmanship."

New Swim Series To Start in June

A new series of swim classes sponsored by CRA at San Diego will start this month. Day classes (every day except Sunday) open June 20-21 and evening classes (Monday, Tuesday, Wednesday and Thursday) open June 15-16.

CRA is underwriting part of the tab for the series, offered for $18 at the Mission Valley School of Swimming.

Some 30 students are now taking instruction under CRA sponsorship, including both adults and children.

Further information is available by calling Martha Woodberry, ext. 1245, Plant 1.

Archers Announce Another Dual Meet

Encouraged by the attendance of their first "double header" event, Convair SD archers will stage another dual meet June 12 at Gold Gulch, Balboa Park.

The morning session (beginning at 9:30) will feature target arrows and 28 targets with scoring on a handicap basis. Following a picnic lunch, the bowmen will switch to broad head arrows for a second 28-target field. Three awards will be made in each event.

Tentative plans are now being made by the archers to conduct a "Little Beaver" event in the very near future for youngsters 12 and under.

Ice Skating Back Again! Rates at Rink For CRA

Convair Ice Skating Club will take to the ice at San Diego for the first time in six months soon in a series of new instruction sessions being offered under CRA sponsorship.

The classes will be offered at the new Sonald Ice Skating Studio on Midway Drive with CRA paying a portion of the instruction fee for students. Audrey Ericson, veteran CRA instructor and Bob Fitzgerald will be in charge of the new rink.

"Instruction will be offered for beginners, intermediates and advanced skaters, in addition to an ice dance session," said Bud Davies, CRA ice skating commissioner.

The eight-week courses will consist of one hour of instruction and a half hour of practice each week in most cases. Convair students will be integrated into existing classes at present but full CRA sessions may be organized if sufficient interest is shown.

"Skaters interested in these classes may drop by the studio at 3464 Midway Drive or call AC 2-4467 for further information," Davies added. "Be sure to signify you are a CRA member when requesting price lists."

Class Continues In Aqua Lungs

Aqua Lung instruction for qualified Convair SD Delta Divers is drawing big play at the Thursday night sessions at the YMCA Pool, Commissioner Bob Hutson said this week.

Hutson indicated the class sessions will continue as long as there is a demand for them. Meanwhile, CRA has acquired five Aqua Lungs for use by members once they have passed this checkout.

The Divers' participation in the Southwest Regional Skin Diving Contest has been settled and it appears a six-man team will represent CRA against some 14 clubs in the annual event.

Information concerning participation in diving activities may be obtained by calling Tom Simpson at HU 8-5923 after 4 p.m.

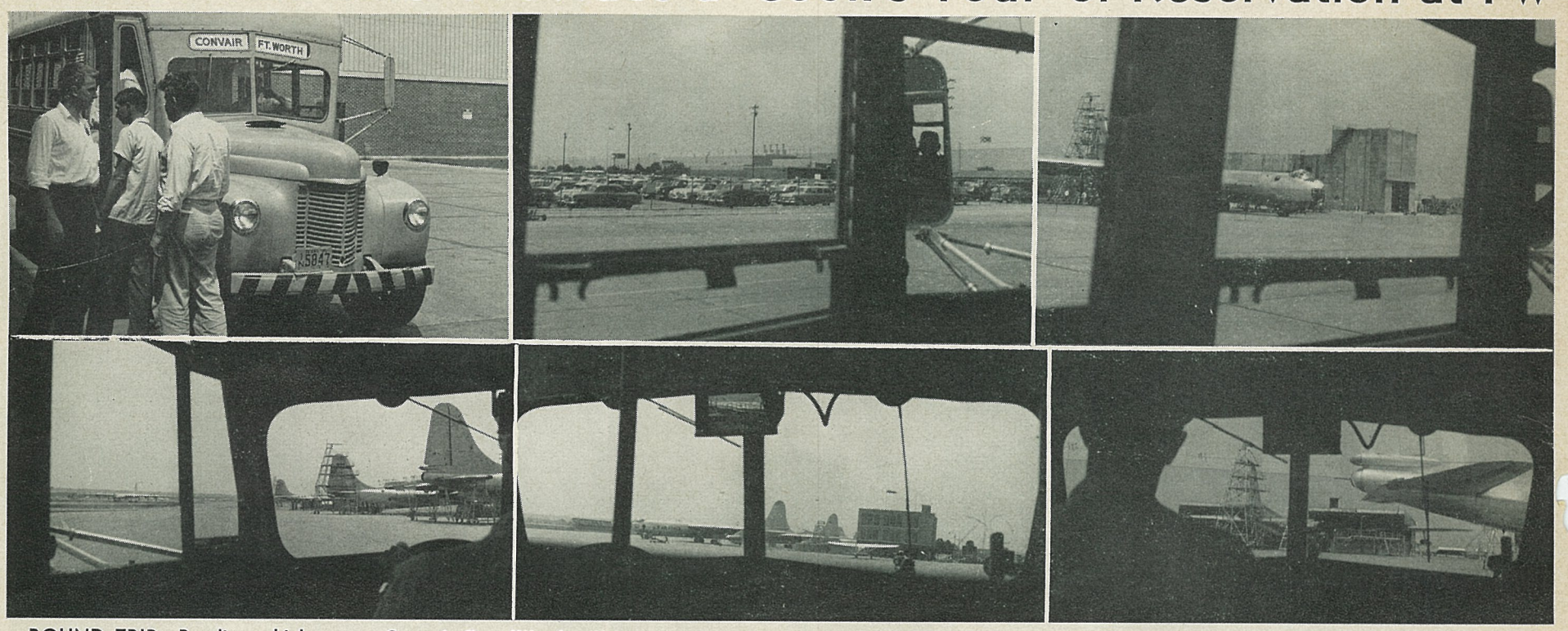
New SD Shooter Wins Over Police Course

J. R. Oliver, latest addition to the Convair SD Pistol Club, broke into the winner's circle early when he won the May 22 club shoot in the Police course event and captured second in the Short National match.

Chet Shepperd topped the field in the expert class, Howie Wilson in the sharpshooter class and Phyllis Young in the marksman class in the Police event with the short National match honors going to Tom Little.

DAVY CROCKETT?—Convair SD marksmen sport new shirts they will wear as members of first teams representing CRA at second annual Industrial Recreation Council Shoot Saturday. Sighting-in is rifleman H. C. Hampy, while Jack Sanders, trap; Joe Williamson, pistol; and Marvin Goodall, skeet, await their turn. Trophy was won by CRA last year.

Convair 'Bus Line' Provides a 'Cook's Tour' of Reservation at FW



ROUND TRIP—Bus line which serves Convair Fort Worth offers a real scenic tour. Top left, passengers board at cafeteria gate for various stations along the 20-minute route. Top center shows a view of the parking lot with administration in background; while top right is a shot of the new jet engine test stand. Lower left is a lineup of B-36s and lower center shows the electronics building. That small plane probably brought a visitor to Convair.

SD Earns Another 'Star' For Injury-free Mark

For the second straight year Convair San Diego employees have won the Award of Honor, highest safety honor bestowed by the National Safety Council.

The award, presented only once each year to firms setting outstanding examples in the field of industrial safety, was for a period free of disabling injuries extending from Jan. 24, 1955, through March 7. During this period, the plant worked 5,290,643 manhours.

The honor also entitles Convair SD to add an additional star on safety pennants flown from all flag poles. With the new addition, the flag will contain five stars signifying the plant has won the honor five times since award was originated.

On one other occasion this year the SD plant recorded more than five million manhours without a lost time injury. This "holiday" ended May 16 with a total of 5,064,359 manhours worked.

In 1954 Convair SD set a national safety mark by working 59 days and 7,649,532 manhours without a disabling injury.

★ ★ ★

Carswell Leader In Plane Safety

Second best "accident free" flying record of all Strategic Air Command bases was held by Carswell AFB, Fort Worth, at the end of April.

Carswell, which flies Convair-built B-36 bombers almost exclusively, had gone since December, 1953, without a flying accident. Only better record is held by Ramey AFB, Puerto Rico—which flies RB-36s. Last flying accident there was prior to May, 1953.

★ ★ ★

Nine SD Departments Lead Safety Contest

Five functions representing nine departments posted perfect records in the continuing safety contest at Convair SD during April.

Experimental factory (31) under Supt. J. N. McPheeters lead the way in the number of manhours worked followed in order by Supt. J. F. Glenn and his 340 major and final departments (37, 52, 55, 56), T. F. McAleer and his Plant 1 manufacturing control department (22), B. P. Gibbons' material departments (4, 14) and C. Uhl and his T-29 final assembly department (35).

Pomona Groups Tie For Safety Honors

Eight departments shared top honors in the monthly safety contest for April at Convair Pomona, T. R. Smith, Safety assistant supervisor, reported.

However, Electrical Assembly worked more manhours during the month than any of the seven other "winners," and on that basis was awarded the safety trophy. The other seven are: Material, Checkout Equipment Maintenance, Manufacturing Control, Missile Checkout, Processing, Sheet Metal and Final Assembly. All had perfect records for the month.

Other competing departments, listed in the order in which they placed, are: Engineering, Quality Control, Experimental Factory, Machine Shop, Plant Engineering, Tool Manufacturing, and Sub-Assembly.

"Why don't you ask for a transfer to stainless steel department?"

Convairiety Wins 'Excellence Award'

Convairiety last month was singled out from among other company publications throughout the United States and Canada for an "Award of Excellence."

This was the first time that Convairiety has entered the annual awards program of the International Council of Industrial Editors.

The award read, in part: "In recognition of exceptional accomplishment in achievement of purpose, excellence of editorial content, and effectiveness of design."

General Dynamics Will Sponsor 'Youth Wants to Know' TV Show

General Dynamics Corporation branched out into a new field of youth education this month with the sponsorship of "Youth Wants to Know," prize-winning television forum.

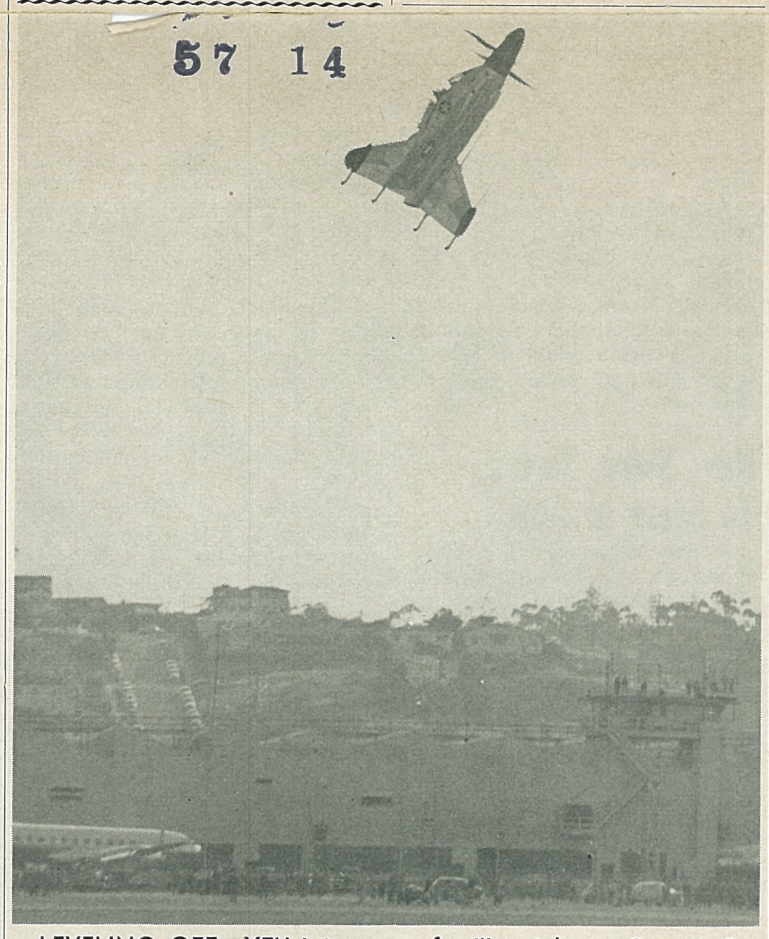
The teenage question-and-answer series is aired at 2:30 p.m. EDT on Sundays over NBC-TV. Stephen McCormick is moderator.

John Jay Hopkins, board chairman of General Dynamics Corporation, said in speaking of the program:

"With our whole-hearted cooperation, the program should be able to make an even greater contribution to the cause of education of American youth and to the continued welfare of the nation."

General Dynamics, parent organization of Convair, will devote most of its commercials to support the armed services, the engineering profession and the advancement of nuclear engineering.

The institutional advertising will feature products of the corporation's several divisions including Electro Dynamic, Electric Boat and Convair.



LEVELING OFF—XFY-1 is now a familiar sight on Convair San Diego's flight line. It is shown with SD plant in background as it made transition from vertical to horizontal flight recently. Latest to try vertical flight is Pilot John Knebel of SD.

Top European Aeronautical Engineers Will Tour Convair SD Plants June 24

Top aeronautical engineers from England and other European countries will tour facilities at Convair San Diego and witness a static display at the Convair Ramp during a one-day visit to San Diego.

The visit will follow a five-day international meeting held jointly by the Institute of the Aeronautical Sciences and the Royal Aeronautical Society at Los Angeles.

The group scheduled to visit San Diego include English, Dutch, German, French, Norwegian and Swedish aeronautical engineering leaders.

Convair SD engineering officials will host the visitors during a plant tour and then conduct them to the Ramp to see a static display of Convair-built products. Following the Convair tour, the engineers will visit one other San Diego aeronautical firm of their choice.

San Diego Section, IAS, headed by Convair's Jim Wenzel, will host the visitors and their wives at a dinner-dance that night at the Hotel del Coronado.

B-36 Bomber Movie Being Shown in SD

"Strategic Air Command," a story which spotlights the Convair-built B-36 bomber and the men who fly them, is now in its second week of showing at the Fox Theater in San Diego.

Many of the actual scenes in the picture were filmed at Carswell Air Force Base, Texas, just across the runways from Convair Fort Worth. The picture stars Jimmy Stewart, June Allyson, Barry Sullivan and Frank Lovejoy.

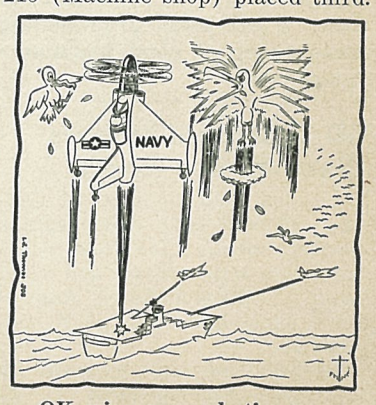
Piper Named Metals Society Chairman

Thomas E. Piper, staff assistant to Convair's executive vice president, late last month became chairman of the San Diego Chapter, American Society for Metals in a meeting held at the Solar Auditorium.

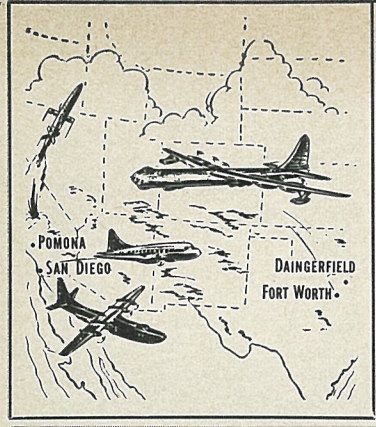
Dr. Neil W. Lamb, long range planning administrator at Convair SD, spoke at the same meeting on "Industrial Progress with Atomic Energy."

SD Dept. 203 Leads In Cost Reduction

Dept. 203 (welding-heat treat) again led Convair SD departments in the continuing cost reduction standings during April. Second place was held by Dept. 201 (sheet metal), while Dept. 215 (Machine shop) placed third.



OK wise guy, what's your next trick?



Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere

Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

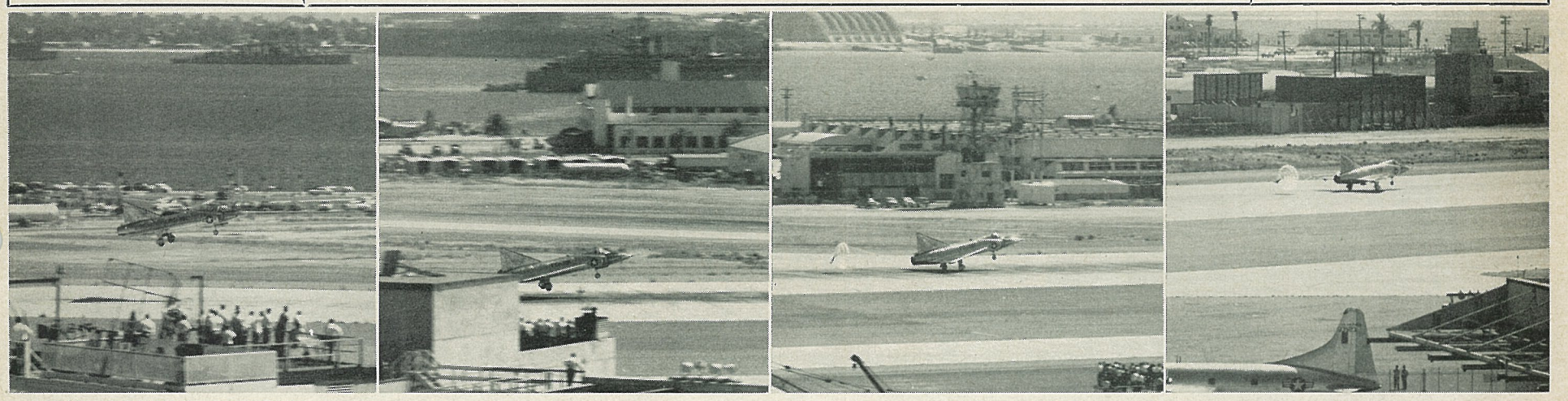
Vol. 8, No. 12 — Wednesday, June 15, 1955

San Diego

EDITION

San Diego news office: Building 32, ext. 1071.

Pomona news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.



HOME COMING—First F-102 to return to Convair San Diego made its appearance early this month. It was a thrilling sight for several hundred casual Convair observers along the flight line and atop buildings. Pilot J. M. Fitzpatrick, who flew the plane from Holloman AFB, made two passes before bringing her down for a gentle landing. He snapped drag chute an instant before touching, stopped with plenty of room to spare.

Picture Taking To Start Soon For ID Cards

Production of new identification cards for all Convair San Diego employees is expected to start within the next few days, F. H. Merritt, SD chief of industrial security, indicated this week.

A similar project is already in progress at Convair Fort Worth.

Security personnel will begin the mammoth task of photographing each employee as soon as a special camera and laminating equipment are readied for use. The new 70mm camera will make negatives that are true size so that enlargement (from 35 mm as now used) will not be necessary.

The new "ID" cards are about the same size as present Convair cards. In addition to pictures of each employee, the cards will contain a thumb print, the usual identification information and the company's new name: Convair, a Division of General Dynamics Corporation. They will meet all requirements recently set down by the Department of Defense.

Lighter and more flexible than present cards, the new ones will be made of a coated vinyl.

First stop on the agenda for the photographing crew will be Building 5 at Plant 1. Employees will be scheduled by their supervisors at a rate of about 250 per eight-hour shift. The equipment will then move to various areas in the plant before being mounted on a trailer for use in outlying areas.

The entire process is expected to take from 90 to 110 days.

OVER THE CITY—Gliding down to Lindbergh Field is first F-102 to revisit place of birth. Traffic on Pacific Highway shown in foreground.

Blood Credit Exhausted For SD; Appeal For Volunteers Goes Out

Convair employees' credit at the Blood Bank in San Diego was exhausted this week and hopes for replenishing it rest upon the results of a bloodmobile visit to Plant 1 next week, Thursday, June 23.

A minimum of 300 volunteers are needed from among the 1,500 persons in Depts. 25, 300, 27, 28, 14, 22 and 8.

Experience has shown that at least 300 sign-ups are necessary in order to obtain 150 pints, due to rejections etc. And a minimum of 150 pints will be necessary to meet the needs of Convair people between now and July, when the mobile blood unit will come to Plant 2.

"The hours next week will be from 10 a.m. to 2 p.m.," a repre-

(Continued on Page 2)

New Club Officers Installed Tonight

New officers, headed by president elect Bob Elo, will take office in the Convair San Diego Management Club tonight at Balboa Park Club. Dinner (barbecued spare ribs) will be at 7 o'clock. Sponsors are F-102 manufacturing departments of Bldg. 2, Plant 2.

Special speaker for the meeting will be Rene Belbenoit, author, and the only successful escapee from Devil's Island.

Convair Starts Task Of Converting C-54s For Search-Rescue

Convair Fort Worth this week began work on a multi-million dollar Air Force contract to change a fleet of C-54 transport planes into air rescue craft.

When completed, the ships will be used by the AF Air Rescue Service of Military Air Transport Service.

They will be ready for day and night all weather search and rescue operations over the land or sea.

The first four-engine transport for conversion landed at Convair Fort Worth June 2 only hours after the contract was signed by FW Manager August C. Esenwein on behalf of Convair. Col. C. Savage, AF plant representative, signed for Air Materiel Command.

The C-54 was flown from 17th Air Transport Squadron, Charleston AFB, South Carolina. Maj. C. G. Kreutter was at the controls.

The plane was officially accepted for conversion the following day by Colonel Savage and V. Dolson, FW development manager.

When converted, the ships get the new designation of SC-54. The initial "S" is the Air Force's label for a "search" plane. And the SC-54s, when they leave Convair, will bear with them all the latest electronic devices for navigation and search.

They also will boast special

(Continued on Page 2)

Burrows Now SD Controller

D. C. Burrows this week was appointed controller at Convair San Diego, succeeding P. S. Nill who has served in this position since July of 1953.

Burrows, a one time assistant division manager at Fort Worth, transferred to San Diego in 1951 as assistant manager at what is now the Pomona division. Since 1954 he has been assistant controller. He first joined Convair in 1942.

B. F. Coggan, San Diego manager, last week made the announcement, explaining that when Nill took over as controller he undertook to develop a more effective organization alignment among functions in the controller's organization and that the new grouping that went into effect this week is the result of this study.

Reporting directly to Burrows in the new setup are:

J. D. Milling, manager of general accounting; J. S. Blakely, manager of cost accounting; R. C. Pederson, manager of estimating; J. F. Hopkins, manager of office services; J. R. Herbig, manager of budgets; W. W. Hass, manager of timekeeping and payroll; A. E.

(Continued on Page 2)

On Return From Japan, Hopkins Urges Atom Program For Asia

An immediate start on a 25-year program for bringing the economic, political and humanitarian benefits of atomic energy to Free Asia was urged last week by John Jay Hopkins, chairman of the board and president of General Dynamics Corporation.

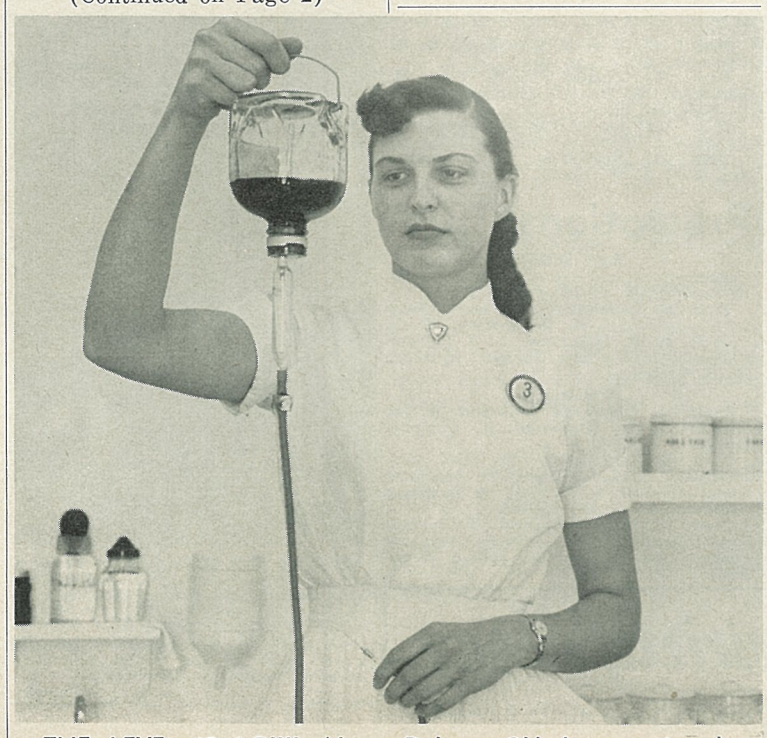
Hopkins, who returned recently from a four-week visit to Japan, reported to a news conference at the Waldorf-Astoria Hotel that it is now "more urgent than ever that American Government and American free enterprise move instantly to develop some form of an atomic energy community for Free Asia." Hopkins proposed the creation and development of an Asiatic Atomic Energy Commission on May 18 in Tokyo at a general meeting of the International Chamber of Commerce.

Emphasizing that American atomic aid to Asia is an economic, political and moral necessity, Hopkins contended that the beginning of such a program was far from visionary, and was not promising to wrap Utopia in "bright colored paper" for pre-

(Continued on Page 2)

Last T-29D Mated

Last T-29D now on order with Convair was scheduled to be mated yesterday (June 14) at Convair SD. The Air Force navigator-bombardier trainer, dubbed the "flying classroom," will move to completion on the T-29D line in Building 4 at Plant 1.



THE LEVEL IS LOW—Nurse Dolores Chlad poses in photo symbolic of need for blood as Convair SD employees' credit at Blood Bank runs low. Strong response is essential when bloodmobile visits plant next week.

Get in the Draw For Free Ball Tickets

Twenty-five free tickets!

Five for each of five games in which the Padres will meet Sacramento at Lane Field, June 21-25 will be handed out by CRA at San Diego to those lucky enough to have their names drawn from a hat. The first name pulled gets three tickets; the second one two tickets. The draw will be at 3:45 p.m., Friday, June 17.

To get your chance in the draw, list name, dept., shift, clock number and plant telephone extension on a slip of paper. Boxes in which to drop the slips are located at employee services at both plants and in the Convairiety office, Bldg. 32.

Winners will be notified individually.

★ ★ Log Book Entries ★ ★

Service Emblems

SAN DIEGO

Service emblems due during the period June 11 through June 20:

Twenty-five year: Dept. 202, W. H. Waite.

Fifteen-year: Dept. 6, J. B. Hurt, D. E. Long, R. F. Nelson, I. F. Thomson, Freeman D'Vincent, D. C. Worden. Dept. 8, G. M. Coole, F. G. Crosthwaite, E. B. Grube. Dept. 14-1, J. J. Loperena. Dept. 25-1, J. H. Tarvin. Dept. 27-3, J. W. Tolpo. Dept. 31, K. R. Abbott, W. S. Alcaraz, V. P. Bequette, O. L. Johannsen, F. E. Maus. Dept. 70, Louis Hale, E. V. Minch. Dept. 101, T. R. Henrikson. Dept. 102, I. W. Walter Jr. Dept. 201, C. W. Marr. Dept. 204, R. B. Grimes. Dept. 258, J. H. Bradshaw. Dept. 300, J. G. Rogers, R. L. Woods. Dept. 350, G. A. Hasti. Dept. 401, R. E. Christian. Dept. 603-1, L. E. Ward.

Ten-year: Dept. 215, L. B. Blackner. Dept. 225, V. W. Schraeder. Dept. 303-4, G. C. Gompertz.

Five-year: Dept. 4-5, W. J. Kelly Jr. Dept. 6, Clella M. Beauregard, P. M. Keeler, A. H. McInnis, W. P. Pearson, J. V. Zenari. Dept. 10-8, H. R. Young. Dept. 14, C. L. Moore, B. L. Quick, D. E. Sundstrom. Dept. 22, Frances C. Patterson, Janet C. Vieth, W. D. Wilson. Dept. 24-1, J. L. Ketchum. Dept. 25-1, D. W. Hauenstein, S. B. Qualiato. Dept. 28, W. E. Covington, D. L. Weaver. Dept. 30, Anna D. Fenwick. Dept. 31, S. L. Bettis, R. M. Zeich. Dept. 35, E. K. Rose. Dept. 37, A. D. Hare, F. C. Hoskins. Dept. 46, E. E. Bowers, E. R. Delgado. Dept. 52, Ruth H. Jorgensen, Oscar Kirker.

Dept. 55, I. F. Stiles. Dept. 60, S. L. Sorcinelli. Dept. 70, Irene L. Clark, G. W. Singleton, G. D. Smith, LaNetta F. Underwood, Lila H. Whitcomb. Dept. 72, C. A. Gonzales, C. E. Jackson, Jesus Montalvo, Julia S. Ratcliff, K. L. Thomson. Dept. 250, Shirley M. Estensen, Sarah G. Kuehni. Dept. 300, D. T. Dresser, J. C. Orrell.

Dept. 303, T. J. Bevers Jr., Leo Shaulis. Dept. 375, W. H. Highfill. Dept. 401, R. M. Allen. Dept. 403, J. P. Striker. Dept. 407, G. W. Davey.

Dept. 522, R. G. Adams, Ruth Chaikoff, A. R. Davis, C. B. Hewitt Jr., J. H. Johnson. Dept. 524, R. G. Ellis, G. G. Schick. Dept. 528, Eleanor T. Block. Dept. 603, E. G. Perfect, J. B. Willis.

POMONA

Fifteen-year: Dept. 6, C. P. Finley Jr., L. O. Gueldner, A. C. McMaster.

Ten-year: Dept. 13-2, J. B. Smith.

Five-year: Dept. 6, J. S. Esslinger, R. M. Hyman. Dept. 42, Joseph Moad.

Almost a century with Convair is represented by these four men at San Diego. Left to right, J. J. Panfil, Dept. 206; Leo Nowak, Dept. 52; and W. H. Waite, Dept. 202, received their 25-year emblems recently, and the fourth, B. J. Simons, Dept. 6, is wearing the 20-year pin.

Above are Convair men who recently received 15-year emblems. All are San Diego except A. W. Kellogg, who is stationed at Edwards AFB, R. B. Knoll and D. B. Sturdivant of Pomona.

★ ● ★ Awards ★ ● ★

SAN DIEGO

Employee Suggestion awards totaled $1,194 for the weeks ending May 19 and May 26:

Dept. 1-31 GO, Office Services: R. M. Graham, $10.

Dept. 4, Material: G. G. Bebb, $5.

Dept. 6, Engineering: W. P. McGriff, $5; W. M. Swarthout, $5.

Dept. 11, Contracts: V. S. Burch, $70.

Dept. 22, Manufacturing Control: P. M. Brown, $10; R. K. Lonergan, $5; D. R. White, $47.75.

Dept. 24, Tooling: H. Radici and M. Kieff, $5 each.

Dept. 25, Plant Engineering: J. W. Hillman, $10; F. J. Nicholson, $15; R. O. Servis, $20.50; H. F. Trantham, $10.

Dept. 30, Model 8 Final Assembly: R. Araiza (two awards), $67 and $71; J. W. Guihn, $10; B. J. Jarrell, $67; C. P. Welch, $15.

Dept. 31, Experimental: J. P. LaLanne, $25.

Dept. 37, C-131B Final Assembly: F. T. Line, $10.

Dept. 40, Model 8 Components: F. J. Phares, $5.

Dept. 55, 340 Fuselage: G. W. Baptiste, $10; H. Fletcher, $10; F. K. Irwin, $5; Samuel Palo, $15; A. H. Spencer, $10.

Dept. 56, 340 Primary: L. H. Barela, $10; J. E. Grantham, $15.

Dept. 60, Model 8 Wing & Tail: J. R. Ditmore, $5; J. R. DuBois, $23.25; L. J. Passmore, $19; R. M. Seivend, $10.

Dept. 70, Model 8 Fuselage: L. W. Dean, $10; B. J. Payne & C. H. Jorgensen, $5 each.

Dept. 101, Sheet Metal: C. D. Duncan, $10; V. E. Poquette, $11.25.

Dept. 102, Sub-Assembly & Processing: L. L. Culmone, $5.

Dept. 115, Machine Shop: C. D. Monds, $20.

Dept. 201, Sheet Metal: L. K. Fuller, $90; V. G. Harding, $10; E. J. Martin, $33; S. I. Moore, $15; G. C. Ross, $10.

Dept. 203, Welding: J. R. Lindblom, $5; O. D. Sanders, Jr., $5.

Dept. 215, Machine Shop: C. A. Butler, $10.

Dept. 258, Proofing Mock-Up: C. E. Myers, $24.50.

Dept. 300, Field Operations: J. K. Morton, $10; H. B. Stofer, $5.

Dept. 350, Proofing Mock-Up: T. P. Emery (final payment), $108.75.

Dept. 355, Fabric & Tubing: D. R. Wilson, $10.

Dept. 401, Jigs & Fixtures: A. S. Brown, $20.

Dept. 403, Tool & Die Shop: G. M. Churness, $5.

Dept. 406, Plaster Pattern Shop: W. Lawrence, $17; G. D. Peddie, $94; J. D. Stillman, $5.

Dept. 522, Manufacturing Control: M. R. Edgin, $10.

Dept. 528, Inspection: H. L. Gustafson, $10; A. W. Smith, $5.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective May 30:

Dept. 6, Engineering: To publications asst. supervisor, S. D. Berling, C. E. Correll, M. R. Hutchison, L. J. Solheid.

Dept. 203, Welding: To asst. foreman, K. B. Offerman.

POMONA

Dept. 3, Industrial Relations & Security: To fire lieutenant, R. E. Kottkamp.

Dept. 6, Engineering: To chief adm. engineer, T. A. Billings. To technical group engineer, J. M. Guthrie. To group engineer, Oscar Staverfield.

Dept. 27, Quality Control: To inspection supervisor, D. I. Turner. To inspection asst. supervisor, Joseph Wrobleski.

Births

SAN DIEGO

BARRAN—Son, Robert James, 7 lbs. 14 oz., born May 25 to Mr. and Mrs. A. R. Barran, Dept. 102-1.

JANKOWSKI—Son, Steven, 7 lbs. 6½ oz., born May 18 to Mr. and Mrs. Walter Jankowski, Dept. 31.

LEADAMAN—Daughter, Janet Marie, 6 lbs. 12 oz., born March 14 to Mr. and Mrs. J. R. Leadaman, Dept. 403.

LORENZ—Son, Stephen Edward, 7 lbs. 11 oz., born May 31 to Mr. and Mrs. Henry J. Lorenz, Dept. 14.

REMISSONG—Daughter, Jill Verena, 8 lbs., born June 7 to Mr. and Mrs. J. N. Remissong, Dept. 3-4.

ROTH—Son, Joseph Lawrence, 6 lbs. 7 oz., born May 29 to Mr. and Mrs. Larry E. Roth, Dept. 70.

SCHULTZ—Daughter, Karen Marie, 7 lbs. 12 oz., born June 5 to Mr. and Mrs. J. T. Schultz, Dept. 3-2.

POMONA

RICH—Son, Robert Lewis, 6 lbs. 11 oz., born April 30 to Mr. and Mrs. L. C. Rich, Dept. 11.

STANCYK—Daughter, Marilyn Jean, 7 lbs. 3½ oz., born May 17 to Mr. and Mrs. Thomas F. Stancyk, Dept. 14.

HOLLOMAN

O'NEAL—Daughter, Lauren, 5 lbs. 10 oz., born May 19 to Mr. and Mrs. C. R. O'Neal.

Personals

SAN DIEGO

My sincere thanks to the many Convair friends for their kindnesses extended to me and my family in the recent death of my mother. I am deeply grateful for your comforting thoughts.

Bernice Romera, Dept. 522

* * *

We take this opportunity to thank all of our Convair friends, including Dept. 102, both shifts, the paint shop, IAM Lodge 1125, and Con-Trib-Club for the many kindnesses during the long illness of H. O. Zuniga, Dept. 102. The many gifts, flowers, cards and phone calls will never be forgotten.

The Zuniga Family

* * *

The many expressions of sympathy and tokens of kindness and understanding extended to me and my family by fellow Convair employees in the loss of our husband and father, William J. Crossley, Dept. 31, is deeply appreciated.

Mrs. Kathleen Crossley (Dept. 31) and Family

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximately current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (if no answer, call 6278). Staff: James Combs, Jr., Elizabeth McCuistion.

Atomic Power For Asia Urged

(Continued from Page 1)

sentation to the people of Asia.

"If Americans do not help Asiatic countries to begin now to participate in the agricultural and medical benefits of atomic energy and the industrial benefits of atomic power," Hopkins said, "we shall, I believe, through the inexorable pull of the political and economic vacuum existing in Asia, lose our economic partners and political allies to the Communistic economic and political dictators." Hopkins asserted that "in such economic and political peril, and in view of the fact that atomic fuel is becoming competitive in the United States and is better than competitive in Japan and in all Asia, I do not see how we can begin a program of atomic aid too soon or too fast."

Hopkins concluded his report with a letter addressed to him and to members of his group, including Dr. Ernest O. Lawrence, Nobel Prize winning physicist, and Dr. Lawrence Hafstad, formerly director of the Division of Reactor Development of the U.S. Atomic Energy Commission and now director of the Atomic Energy Division of the Chase Manhattan Bank. The letter, signed by 25 leading industrialists, scientists and Japanese government officials, expressed appreciation for the efforts of the Hopkins Mission in opening the eyes of the Japanese people to the peaceful possibilities of atomic energy.

Convair Blood Credit in 'Red'

(Continued from Page 1)

sentative of the Convair Employees Blood Reserve Committee, reported.

"This will make it possible for donors to have breakfast before hand, so long as they do not eat within four hours of their appointment."

The bloodmobile will set up in rooms 1 and 2 of Bldg. 14, Plant 1, and efforts will be made toward as prompt and efficient handling as possible. All blood received will go into the reserve for use by Convair families in need.

The blood committee reported that recent requirements have been unusually heavy. Two cases alone required a total of 90 pints.

★ ★ ★

Blood Response at Pomona Excellent

Convair Pomona employees contributed a total of 396 pints of blood last week when the Red Cross bloodmobile made a two-day visit to the plant.

"This figure would have been even higher had the bloodmobile been equipped with more refrigerator space on the first day of the visit," H. S. Naish, chief of employee services, said. "After collecting 238 pints on that day—actually 18 pints more than normal capacity—several volunteer donors were turned away.

"While this was regretted, it was unavoidable," he continued. "For blood must be refrigerated immediately to prevent spoilage.

"We sincerely appreciate the willingness and enthusiasm of everyone concerned, both those who donated and those who were turned away. It is this spirit that has been responsible for the success of our blood program, in which employees and members of their families may withdraw blood in time of need by paying a service charge of only $7.50 per pint."

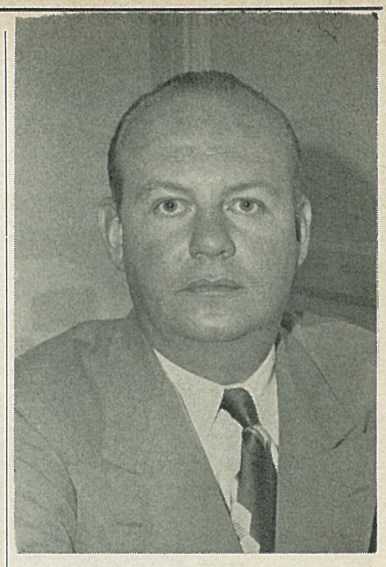
Deaths

SAN DIEGO

CROSSLEY—William J., Dept. 31. Died June 2. Survived by wife, Mrs. Kathleen Crossley (Dept. 31); two sons, two daughters, 14 grandchildren.

LIEPITZ—August H., Dept. 25-1. Died May 25. Survived by wife, Mrs. Anna Liepitz; son, Frederick.

STRUTZ—James L., Dept. 3-1. Died May 27. Survived by wife, Mrs. Goldena Strutz.



CONTROLLER — D. C. Burrows, named controller this week at San Diego.

Burrows Appointed Controller for SD

(continued from page 1)

Andress, general supervisor, accounting tabulation; C. L. Polsey, contract termination administrator.

Coggan reported that Nill will remain in the controller's office until the new alignment has been achieved and then will be shifted to another important assignment.

Trio Named to Sebold's Staff

Appointment of three engineers to the staff of R. C. Sebold, Convair vice president—engineering, was announced recently. They and their fields of responsibility are:

Jack L. Bowers, surveillance over Convair electronic activities, particularly technical planning for research and development and product design.

Jack Mason, supervision over all engineering facilities and, jointly with Grant D. Christensen, assistant to Sebold, over all airplane projects.

Dr. Marvin Stern, liaison between Convair engineering and a group of noted scientific consultants engaged by Convair earlier this year to work on research problems arising from development of advanced military aircraft and missile systems.

Bowers joined Convair nine years ago as a research engineer in the radio and electrical laboratories, developing and supervising search radar, magnetic guidance and missile guidance projects. For the last three years he has been assigned to the "Terrier" guided missile project.

Mason, a 1937 graduate of the University of California at Berkeley with degrees in physics and seismology, joined Convair's engineering staff in 1940. For two years he worked with a fixed equipment group; for two more years on performance and wind tunnel testing with an aerodynamics group; as project engineer on design and construction of Convair's low speed wind tunnel, and since its completion in 1947, as manager of the tunnel.

Stern joined Convair in June, 1954, as a design specialist in dynamics and thermal stress in connection with missile projects. He received a bachelor degree in mechanical engineering from City College of New York in 1943 and by attending night classes at New York University earned a master's degree and a doctorate in applied mathematics.

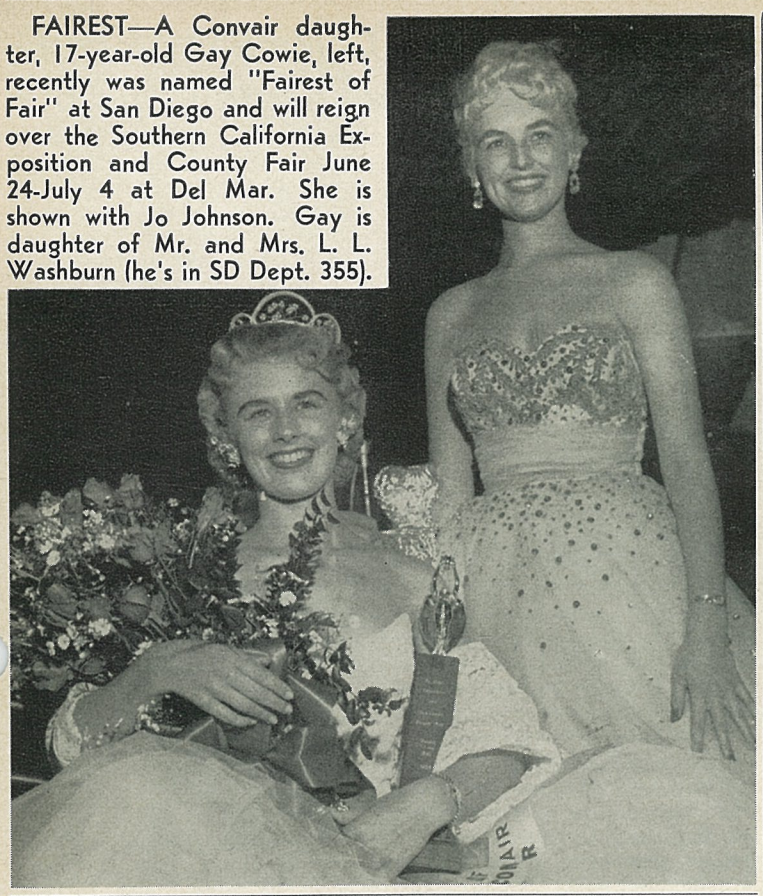
Convair FW Starts Conversion Project

(Continued from Page 1)

fuel tanks to carry them to targets farther and farther from home, plus the equipment to do the rescue job when they get there.

The first SC-54 is scheduled for delivery back to the Air Force in the fall.

After that, the ship will go to Wright-Patterson AFB at Dayton for Air Force testing. Special attention will be paid to new navigational aids.



FAIREST—A Convair daughter, 17-year-old Gay Cowie, left, recently was named "Fairest of Fair" at San Diego and will reign over the Southern California Exposition and County Fair June 24-July 4 at Del Mar. She is shown with Jo Johnson. Gay is daughter of Mr. and Mrs. L. L. Washburn (he's in SD Dept. 355).

Two Camp Sessions Scheduled For Convair Children in August

Applications for the annual Camp Cuyamaca sessions sponsored by the Convair San Diego Management Club are now available.

Camp sessions for youngsters (both boys and girls) between the ages of eight and 13 this year will be August 15 through August 19 and August 22 through August 26.

"We have accommodations for 100 children at each of the sessions and will accept applications only until these are filled," said C. T. Boyle, chairman for arrangements. "We urge parents to register their youngsters early."

Fee for either of the sessions per child is $13, plus $1 for a health examination, if performed by the camp physician. The club will provide transportation to and from the camp and pay insurance premiums for Convair campers.

Application and health certificate blanks are available at the following Plant 1 locations: M. C. Nesbit, Col C-13, Building 2; Marge Haskins, engineering personnel office, Building 5; Roy Ashe, Room 422, Building 19; and Martha Woodberry, employee services, Building 32.

At Plant 2 they are available through: George Bailey, Column C-16, Building 1; Dorothy Birse, Room 17-8 (mezz), Building 2; and Helen Johnson, employee services office, Building 4.

Additional information about the sessions is available by calling Martha Woodberry, ext. 1245, Plant 1, or Helen Johnson, ext. 508, Plant 2.

Billings Transferred From Fort Worth to Position at Pomona

Appointment of Thomas A. Billings as chief administrative engineer has been announced at Convair Pomona.

Billings, whose appointment became effective May 30, replaces R. A. Dutton, who recently resigned from the company. Billings will report directly to George M. Robertson, chief engineer.

T. A. Billings

For the past two and a half years Billings has been technical design administrative supervisor in Convair Fort Worth's engineering department. He is a native of Salt Lake City and attended the University of Utah, joining Convair San Diego's engineering department in January, 1940, immediately after leaving school. He was transferred to Fort Worth in August, 1942, as engineer in charge of the lines group, and in 1945 became planning and scheduling supervisor. He held the latter post until his appointment as technical design administrative supervisor.

Billings' wife and three children are remaining in Fort Worth until he can locate a suitable home in the Pomona area.

Two From Convair Get College Degrees

At least two Convair San Diego employees were part of the graduating class of 522 who received their degrees June 10 from San Diego State College.

Boyd Kennedy received a B.A. in mathematics, while H. P. Peterson received a B.S. in physics. Both are members of the Convair engineering department and have been combining work and study during the past few years.

McNarney Chairman Of United Success Drive Committee

Convair President Joseph T. McNarney has accepted an assignment as chairman of the loan executive committee for the 1955 United Success campaign in San Diego.

McNarney will ask large industrial and business firms in San Diego to lend 30 executives to United Success for the campaign from Aug. 8 through Nov 11. These executives will form the campaign staff.

Several Convair SD men have already accepted key posts for the drive. They include:

B. F. Coggan, Convair SD manager, chairman of the budget committee.

G. A. Covington, acting long range planning manager, chairman of the commerce and industries committee.

F. B. Pickard, employee services, chairman of the aircraft divisions committee.

Convair Pomona Men On New CAP Staff

When Pomona Squadron 59 and the Old Baldy Squadron 87 of the Civil Air Patrol were merged into one squadron last month, four Convair Pomona men were named to the staff of the new unit.

Capt. H. M. Wagner, special assistant to the Pomona manager, is commanding officer of the unit, which has been named Old Baldy Squadron 59.

Ray A. Heumann of Dept. 6 is the assistant operations and training officer; Walter F. Crutchfield of Dept. 72 is communications officer; and Ernest C. Pearson of Dept. 27 is commandant of cadets.

Convair FW Texans Collect on 'Bet'; To Tote Peak Home — Stone by Stone

Undaunted by unseasonable snow storms and the thin air of high altitudes, two Convair Fort Worth Texans are determined to bring Pikes Peak back from Colorado to Texas stone by stone.

They're Larry Hayes, Dept. 2-5 administrative assistant, and Wes Magnuson, superintendent of fabrication.

A May 20 directors meeting of the National Association of Foremen in Denver served as ample excuse for their first expedition to reclaim Pikes Peak for Texas.

It seems that in 1938, Texas Governor James V. Allred made a small wager with Colorado Governor Teller Ammon on the outcome of the Cotton Bowl football game. He bet the Rio Grande River against Pikes Peak that Houston's Rice Institute would beat Colorado University.

Although Gov. Teller was a prudent administrator, he proved to be no judge of Texas football. Colorado lost 28-14 and Pikes Peak became the property of Texas.

"We figured this was as good a time as any to claim the land," said Hayes. "We could use a good mountain in Texas."

Attired in boots, 10-gallon hats, levis and carrying guns and holsters, the pair started on their quest—after recruiting a group of NAF directors. On they went. Through Manitou and Westward to Pikes Peak. Arriving there they met resistance. A barricade was set up at the base of the mountain.

"This'll just have to do," said six-foot five-inch Magnuson. (Jest average height for Texans, frey-und.) "We'll plant it right hyar."

And plant it they did, the Texas flag "hyar where that gallant little band of Texans fought and bled."

Hayes then whipped out an envelope containing Texas earth.

"Enriches the soil," he explained. "Two teaspoonsful of Texas soil to one Colorado mountain is just about the right proportion."

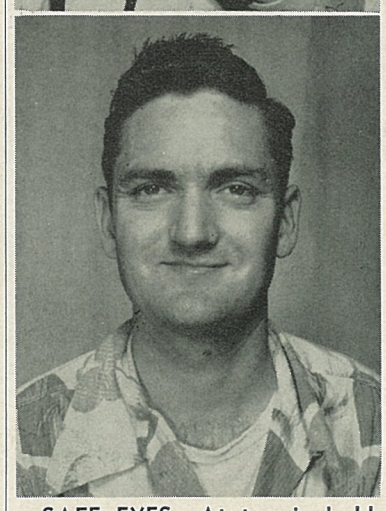
"We're claiming the whole peak," said Magnuson, "and one part is as good as another."

Both picked up a medium sized boulder and said:

"We'll be back later for the rest of it. We figger to take it home piece by piece."

(Editor's note: All this actually happened. But it was just a publicity stunt, though a successful one. It rated columns of space—and pictures—in two issues of Denver's Rocky Mountain News. It was carried by United Press to newspapers across the country. Idea is to promote the 1955 convention of the National Association of Foremen. It'll be in Fort Worth in September.)

IWO JIMA?—Convair FW's Wes Magnuson and Larry Hayes reclaim Pike's Peak for Texas. Stunt was part of a National Association of Foremen meeting at Denver, but darned if they don't seem to mean business!



SAFE EYES—At top is J. H. Speck, Dept. 401 SD, with goggles he was wearing when a weld fragment broke off while grinding. Below is C. D. Storment, FW Dept. 81, whose eyes also were saved by safety glasses. (Incidentally, tooling groups at SD, such as Dept. 401, have been achieving an excellent non-injury rating so far in 1955.)

Model 340 Leads Way as German Line Resumes Passenger Flying

Convair-built commercial transports continued to make news during the past weeks with the opening of West Germany's first airline since the war, several airplanes changing ownership and others resuming over-water service.

Of interest were:

First international flights of West Germany's new airline, Lufthansa:

Purchase of two Convair-Liner 340s by Braniff Airways from Philippine Air Lines:

Purchase of a Convair-Liner 240 by SABENA from the Texas Co.:

Resumption of Convair-Liner 240 service over several Caribbean routes flown by Pan American World Airways.

Lufthansa flew its first international routes late in May when a Convair-Liner 340 (one of four) set down at London Airport. At the controls was a wartime RAF bomber pilot and a former German Luftwaffe fighter pilot. The new airline now flies Convairs on intra-German routes, to London and to Madrid, Spain.

Incidentally, a West German stamp, commemorating resumption of airline service by Lufthansa, features a Model 340!

Braniff's purchase of the Model 340s brings their fleet of Convair transports to 26. The trans-Pacific delivery flight from Manila to Love Field in Dallas was probably the first west-to-east crossing of Convair type aircraft made by commercial airlines. Several Convair-Liners have made the flight from east-to-west but this is the first reverse crossing by air reported.

SABENA now has five Convair-Liners in operation after purchase of the Texas Co. aircraft.

Pan American recently returned Model 240 service over several routes ranging from Miami down to Barranquilla, Colombia.

Meanwhile, three Convair-Liner 240s were due to go into service July 1 over routes flown by Mohawk Airlines. The east coast airline recently acquired the Convairs originally owned by a Nationalist Chinese airline.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

* * *

Maj. Stephen Dillon transferred from Fort Worth as Air Force plant representative at San Diego.

* * *

First Convair RB-36 accepted by Air Force.

* * *

B-36s become a part of "skyline" at San Diego as modification project gains headway.

* * *

Convair-Liners begin third year of commercial operations. More than 150 are in service.

* * *

C. D. Barton of FW catches a 17½ pound catfish on rod and reel at Eagle Mountain Lake.

* * *

Thousand watch first CRA rodeo at FW.

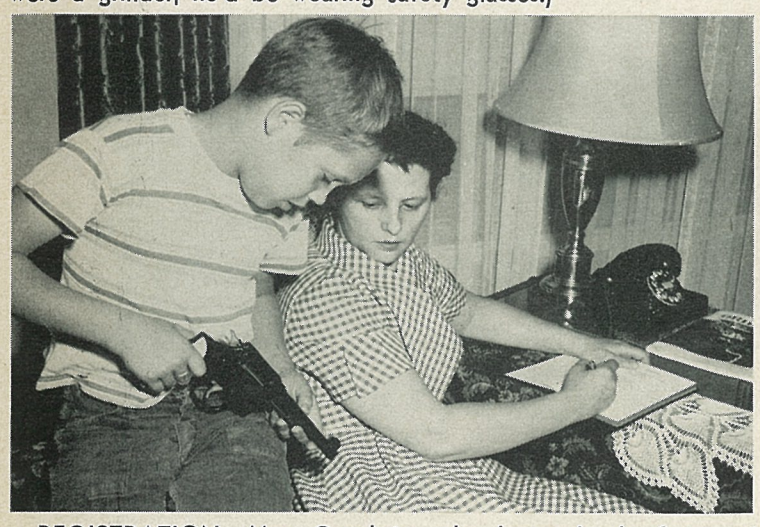
Loss of Convair Man In Korea Air Fighting Recalled by Award

Two awards of general interest to Convair SD were presented at a May 26 ceremony involving Air Force ROTC students at San Diego State College.

A plaque containing the names of State College ex-students killed in Korea was presented the unit by the Arnold Air Society of the Air Force ROTC. Second name on the list was that of the late Capt. Leroy A. Morgan, formerly of perishable tools at SD and son of Leroy Morgan, Dept. 24. Capt. Morgan was recalled to active duty with the Air Force in 1949 and served for three years in the Far East as a bombardier-navigator-radarman. He was reported missing in action during the bitter fighting of 1951.

At the same gathering the annual Convair trophy for excellence in air science (first year students) was presented to Cadet Sheldon J. Martin by D. C. Wilkens Jr., manager of industrial relations for Convair SD.

GUN BOYS—Martin, Lee and Jimmy Goodwin, pictured hard at work in their garage gun shop with their father, Pomona's Harvey Goodwin of Dept. 24. (That is a buffer Lee is operating. If it were a grinder, he'd be wearing safety glasses.)



REGISTRATION—Mrs. Goodwin, who keeps books for sons' operations, takes serial number of revolver as Jimmy reads it off.

Garage Business

Convair Pomona Sons 13, 10, 8 Develop Into 'Pro' Gunsmiths

In spite of his reputation as a marksman, it's doubtful if the fabulous Davy Crockett knew much more about guns than Lee, Jimmy and Martin Goodwin, sons of Convair Pomona's Harvey Goodwin (Dept. 24).

These boys have been active as gunsmiths for the past three years, first as a hobby and for the past year and a half as a part-time business. They import, repair, rebuild and sell rifles and pistols of all types, and do practically all of the work themselves.

Considering that Lee is 13, Jimmy is 10, and Martin is only eight, the boys probably can lay legitimate claim to the title of the country's youngest professional gunsmiths.

"I step into the picture only when the boys have a problem they can't solve among themselves, and that isn't very often," Goodwin said.

The boys run their business under the name "Goodwin Sons," and they have their own printed stationery. They are licensed and operate from the garage of their home in Puente.

Most of the guns the boys sell are imported from Great Britain, but a majority of these were manufactured originally in the United States.

"The boys sell about half the imported guns in 'as is' condition when we get in a shipment," Goodwin continued. "The others are completely renovated in our shop."

Renovation, to the boys, means just that. They tear the guns apart, replace or repair worn parts, re-blue all external parts, and re-mount the weapon in a new stock if it's a rifle, or grips if it's a pistol.

The boys also import optical and sporting goods—microscopes, binoculars, etc.—which they sell at a small profit. And they have no trouble disposing of everything they import, even though they never advertise and they have no sales room.

"Every time we sell something to a person, he brings us at least one other customer by telling his friends," Goodwin said.

Goodwin started teaching the boys gunsmithing about three years ago—it has been his own hobby for over 15 years—and a year and a half ago he launched them in business because of the lack of recreational facilities in their neighborhood.

"They make enough from their work to buy all their own clothes, and when they want something special, like a television for their room, they declare a dividend, if the business can stand it," Goodwin said. "If not, they work extra hard until they have enough money to spend without hurting their operating capital."

Mrs. Goodwin also helps by keeping books for the business.

"I had to do something in self-defense," she laughed. "It can get lonely in the house with Harvey and the boys spending all their time in the garage."

"He couldn't have followed us . . . we're goin' too fast."

Ike & McNarney Attend Reunion

Gen. Joseph T. McNarney, Convair president, was in West Point last week for a reunion of the class of 1915 at which he renewed contacts with classmates, among them President Dwight D. Eisenhower.

The class was a distinguished one, even for West Point, and about 60 of them later became generals. In addition to President Eisenhower and McNarney, the class roll includes such distinguished names as General of the Army Omar N. Bradley, Gen. James Van Fleet, Lt. Gens. George Stratemeyer, Joseph Swing, Stafford Irwin, Hubert Harmon, Thomas Larkin, John Leonard, and Henry Aurand.

The June 10 issue of Collier's carried an article "Plebe to President" in which Convair's president was quoted on wartime recollections and among the photographs was one showing Eisenhower driving a team of horses at the 1950 class reunion, with McNarney among the passengers.

T-29 Final Sets Housekeep Pace

Convair San Diego's T-29 final continued to set the pace during May in the continuing good housekeeping contest which saw six groups post perfect records.

T-29 final has registered perfect scores every month of 1955 and ranks slightly ahead of fabrication, Plant 1, in the yearly standings. Other perfect contestants included experimental, tool manufacturing, Plant 2, manufacturing control, Plant 1, and field operations.

Average violation per employee

	May	April
Experimental	.000	.035
Fabrication, Plt. 1	.000	.000
Tool Mfg., Plt. 2	.000	.045
Mfg. Control, Plt. 1	.000	.015
Field Operations	.000	.004
T-29 Final	.000	.000
Material	.002	.023
F-102 Major	.003	.023
Electronics	.007	.017
Tool Mfg., Plt. 1	.008	.036
Fabrication, Plt. 2	.012	.000
Plant Eng.	.016	.011
Mfg. Control, Plt. 2	.016	.016
T-29 Primary & Major & F-102	.017	.027
340 Major & Final	.024	.004
R3Y Major & Final & F-102 Comp.	.147	.030

Movie Cameramen's Work Wins Awards

Two Convair San Diego motion picture photographers, Robert Hemmig and Byron Skalman, were the cameramen on three national award winning films produced in 1954.

The awards, presented in the Film Council of America's "Golden Reel Festival," are the "Oscars" of industrial, education and business motion pictures. Both were earned before the cameramen joined Convair SD.

Skalman was director of photography for a film titled "The Stranger," judged best in the citizenship and government class, and also director of photography for "Angel in Ebony," voted best religious film of 1954.

Hemmig was first cameraman on "Twenty-four Hours," considered the best film in the business and economics class.

Convair Pair Runs 'Community Chest' For Needy Neighbors South of Border

The good neighbor policy has personal envoys in the persons of a Convair San Diego couple who have set up and operate a one-family "community chest" for their less fortunate friends south of the border.

John E. Birdsall (Dept. 6) and his wife heard of the plight of a widow with a large family while visiting friends in Tijuana. They gathered up some clothing and household items on returning home and took them down.

"We were amazed to find the widow was only one needy case among many in that particular neighborhood," Birdsall said. "I guess that is how we got started."

Now over a year later they still know of hundreds of needy persons in Mexico and average one or two trips each week taking down clothing, household goods, bedding and even toys for children.

"People in Mexico are doing what they can to help their own but they lack the funds and the trained people to do the job," Mrs. Birdsall said. "The area just south of the border is grossly overpopulated and steady work is hard to find, so many industrious families are faced with poverty."

Birdsall once did social work and knows how to distribute articles where they will do the most good. However, he and his wife prefer to remain in the background, letting Mexican friends present the collected items. Nevertheless, the families know who their benefactors are and each of them has had two children named for them.

Friends and people they have never known constantly drop by their home at 1527 Thirtieth St. with items to be delivered to the needy. They have carried strange assortments across the border including chairs, tables, bathtubs and even bathroom fixtures at one time or another.

"These families can use anything. Especially those things that we normally discard or toss aside as useless," Birdsall said.

Transportation of their varied cargos has been a problem. Until just a few months ago the Birdsalls didn't own a car. They rode down by bus, determined the needs of families and then depended on friends or rented a truck to deliver the items.

"We never openly solicit articles from people but are more than glad to help them find their way to the needy," Mrs. Birdsall added.

Masonic organizations in Tijuana have agreed to help the Birdsalls distribute their growing stockpile of items in the future, he added.

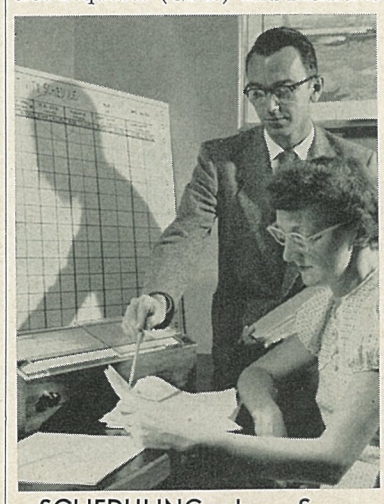
Convair people interested in the work may contact Birdsall at BE-9-3864.

TRIP TO BORDER—Mr. and Mrs. John Birdsall of Convair SD, preparing to leave for Tijuana. Their avocation is helping orphaned and abandoned children.

New Device Operates on Slide Rule Principle To Give Quick Answers in SD Scheduling

A king size "slide rule" three times faster than manual methods of preparing facilities schedule was recently put into service at Convair San Diego.

The unusual facilities scheduler was perfected by SD industrial engineering after studies into the control of paper work necessary in issuing government facilities requests (GFR) and facilities rearrangement request authorizations (FRRA).



SCHEDULING—Jean Somers, who operates it, and A. T. Simons, who designed it, shown with new device which gives fast answers to scheduling matters. Both are Dept. 8 SD.

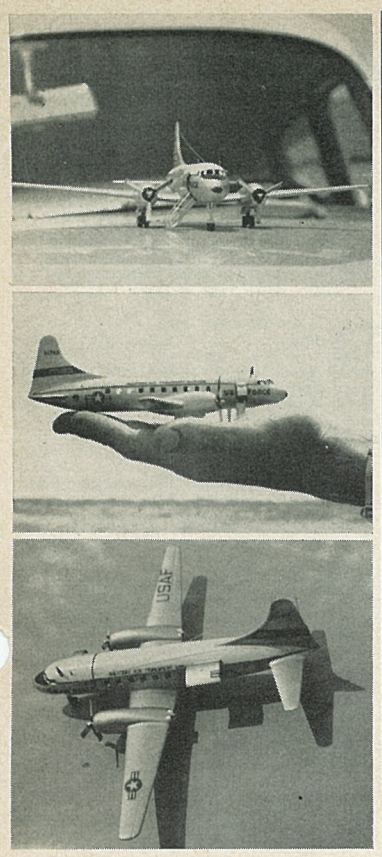
A. T. Simons (Dept. 8) designed the novel rig and experimental factory turned it out to specifications.

The boxlike structure (24 x 6 inches with a slanted front) contains a three and one-half year "M" day calendar which can be rotated by a control knob. A lined guide is mounted over a number of small rulers, each representing certain factors to be determined in the schedule.

By knowing the exact date a facility must be in operation at Convair, it is possible in two minutes to set various rulers to give the factors to be determined. This includes dates ranging from the first issuance of a GFR or FRRA through Air Force approval, design and specification, issuance of a purchase order, contractual work or on through final installation. The same information worked without the scheduler would require six minutes to calculate.

"We issue an average of 100 GFRs and 25 FRRAs each week plus a number of reschedules. The resulting time savings is obvious, said C. E. Hunter, chief of facilities control at SD.

"Too, with the scheduler there is no margin for error."



TRICKY SHIP—Six-inch model of C-131A is marvel of completeness. It was built by Maj. R. C. Fogg, chief pilot of 1706th AE group, MATS.

AF Major Uses Plastic Cards to Build Tiny 131A

A six-inch model of the Convair Samaritan, made from plastic playing cards, has attracted considerable attention at Brooks Air Force Base, San Antonio, Tex.

The model was built by Maj. R. C. Fogg, chief pilot of the 1706th Air Evacuation Group at Brooks, which flies the Convair C-131As. A model builder by hobby, the major makes a tiny reproduction of each airplane in which he checks out. The C-131A is the latest.

Donald R. Maxion, Convair field service engineer, reports the model is a near perfect replica of the real thing.

"Although it's only six inches long it includes not only litters and seats but the main and litter loading doors, steering cylinder, main landing gear, oleo struts, doors and antennas."

Third's a Charm

FW Driver Breaks Triple Jinx To Take Second at Indianapolis

Paul Russo is pretty well convinced right now that "the third time's a charm." And he's got more than $6,000 to prove it.

It was his third try that beat a jinx and brought him part of the second place purse in the 1955 Indianapolis Speedway race.

"I was all set for a big year," said Russo who is a technical representative at Convair Fort Worth for Ford Motor Co. and a race driver for 20 years. "My car was in first class condition. I really thought I could make it.

"But a collision with the southeast wall of the track smashed my hopes—and my $20,000 Wolcott Special.

"Then I got a second chance. Troy Ruttman asked me to enter as co-driver for his Novi."

Russo's hopes were shortlived. While he was in the car, the gear box went out. And that was the end of car number two.

"I was ready to give up," the stock veteran racer said. "Then Tony Bettenhausen asked me to check in as his relief driver."

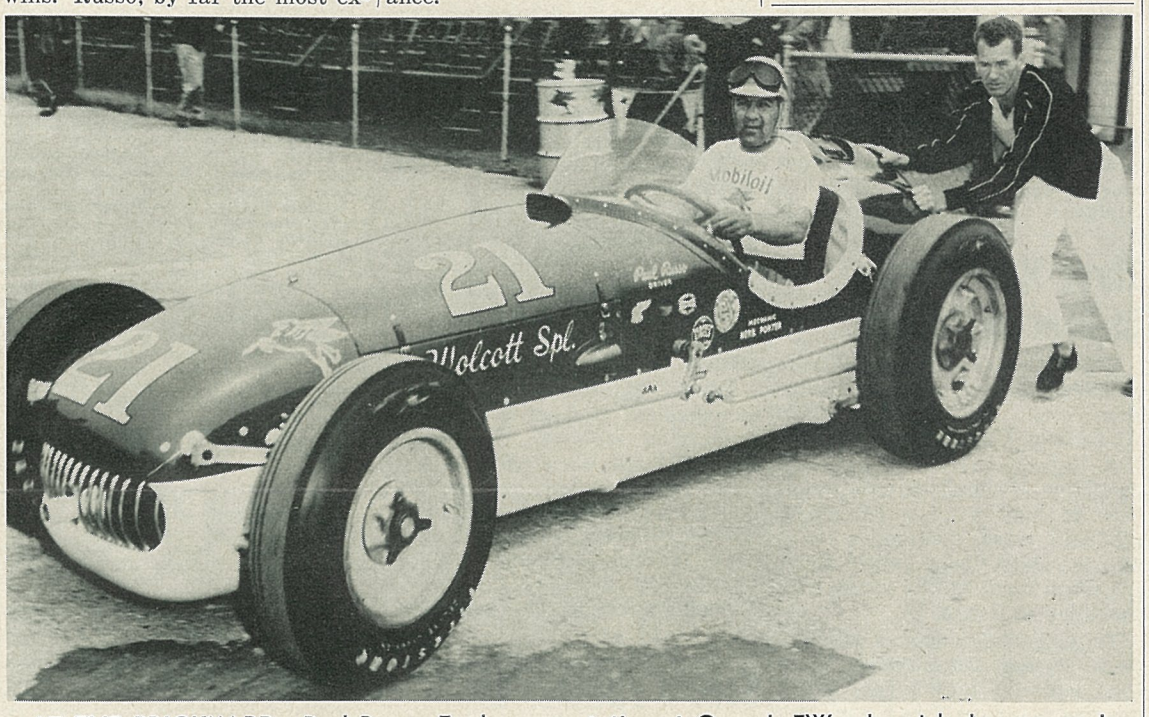
The pair had a lot of experience behind them—but not many wins. Russo, by far the most experienced driver in the race at Indianapolis this year, had placed four times in ten tries. Bettenhausen had raced eight times—never successfully.

The day of the race, Bettenhausen started. He was on the track during the fatal Vukovich accident. A piece of flying debris struck the car and bent the cowling.

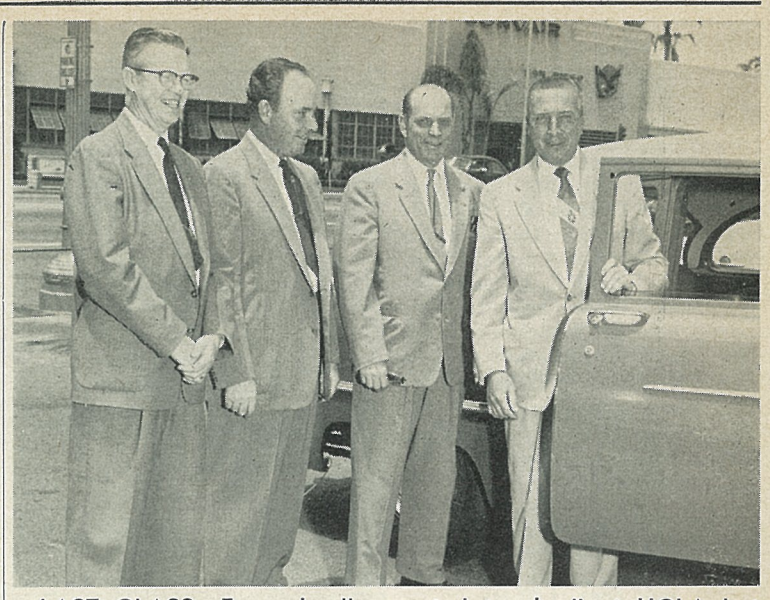
"But that didn't stop us," said Russo. "I took over right after the accident and drove 76 laps in the strongest wind I've ever seen in a speedway race. It was hard to realize the wind was carrying you so."

They finished with a 126.733 mph average—well ahead of the third place car and split their 40 per cent of the purse in half—more than $6,000 to each. (The balance went to Owner Allen Chapman.)

Dave Wood, FW development project liasion man, was one of a group from Convair who watched the speed classic. He credited Russo with a magnificent drive—"not the wild showy type but a wonderfully consistent performance."



AT THE BRICKYARD—Paul Russo, Ford representative at Convair FW, who picked up some sizeable prize money as a relief driver at Indianapolis, shown in car he had intended to enter. But it piled up before race, so he drove another. Pushing is mechanic Herb Porter.



LAST CLASS—Four who "commuted to class" at UCLA last year board for final session. Left to right: C. F. McCabe, G. A. Covington, J. H. Famme, John Doig.

School's Out For Four Executives Who 'Commuted' to UCLA Class

Two hundred and fifty mile round trips to class ended last week for four Convair San Diego executives who since last September have been once a week students at University of California at Los Angeles.

They are G. A. Covington (currently acting manager of long range planning at SD), John Doig (SD night manager), J. H. Famme and C. F. McCabe (both SD assistant chief engineers). Last week they graduated from the UCLA School of Business Administration's "executive program" class which they have attended under Convair's Executive Development Program.

Every Tuesday afternoon the four have left San Diego by car, driven to the UCLA campus, attended class and driven home to arrive around midnight. Fellow students have been some 50 Southern California business and industrial leaders, chiefly from the Los Angeles area. The course has featured such subjects as business economics, organization and management and has involved not only lectures from leading Business School professors but considerable outside study as well.

T. W. Wills, in charge of SD executive development, said that the course has been so successful that Convair SD plans to send others next fall. Selection is up to the executive development committee composed of B. F. Coggan, Convair SD manager; A. W. Morgan, assistant division manager—operations; Ralph Bayless, SD chief engineer; D. C. Wilkens Jr., industrial relations manager; P. S. Nill, Convair SD controller.

* * *

Other items in the executive development field:

A course in effective speaking will start June 21 at SD under Robert Smith, authority on effective oral expression and well known in San Diego training circles. There will be one session a week for 12 weeks with some 20 executives attending.

W. B. Harwell, who since Feb. 1 has been assigned to Plant 2, field operations and long range planning, has returned to his post of manager of production flight. W. J. Martin, regularly chief pilot, was acting manager in his absence.

In another executive development rotation, R. E. Bechtol, manager of long range planning, and G. A. Covington, assistant to Convair SD Manager B. F. Coggan, have exchanged positions for an indefinite period.

Ancient Hearse Restored to Put Some 'Life' in Safety Campaign

Convair employees at Daingerfield might be excused for pulling up short with a double take one day last week as they hurried to the Lone Star Steel Co. cafeteria for lunch.

In the middle of the road was a mule-drawn buckboard-type hearse, complete with a mule-skinner wearing tails and a stove-pipe top hat!

"It was a bit nerve-shattering at first," said Noble Moore, manager of industrial relations and security. "But I believe that most folks who saw it got the point."

Atop the hearse was this sign:

"Just One Careless Move, Buddy—and You're In!"

Inquiry developed that the hearse—and the sign—were arranged by L. D. (Red) Webster, vice president-public and employee relations for Lone Star Steel, as part of the company's safety campaign.

The old hearse was found behind an undertaker's establishment in Mt. Pleasant, Texas. It was bought for $35 and restored to its original condition for its role in the drive.

(Convair Daingerfield, otherwise known as the Navy's Ordnance Aerophysics Laboratory, is situated in the middle of the Lone Star reservation near Daingerfield, Tex.)

STUNT—Convair Daingerfield folk rubbed their eyes when they saw this grim reminder from past recently. It's 1890 hearse, driven by "Sport" Reed of Lone Star Steel Co., and was part of safety campaign.

'Tinker Toy' Device Conceived At SD as Aid to Tubing Checks

A new type check gauge that takes the "bends" out of tubing checkouts has been perfected at Convair San Diego's Plant 2.

Used to insure exacting contours in tubing installed on such Convair aircraft as the F-102A, the gauge idea is a product of the thinking of several Dept. 255 employees.

Assembled, the gauges look like something erected with a child's tinker toy set. Actually the many sized pieces of metal form straight runways into which complete tubing assemblies with the correct contours fit snugly. Once fitted into a metal base, these runways may be used until an order for that particular type of tubing has been filled.

The old method called for clamping different types of straightways to the side of a table. One or more bends could be checked, then it was necessary to pick up the tubing, turn it about and check other contours.

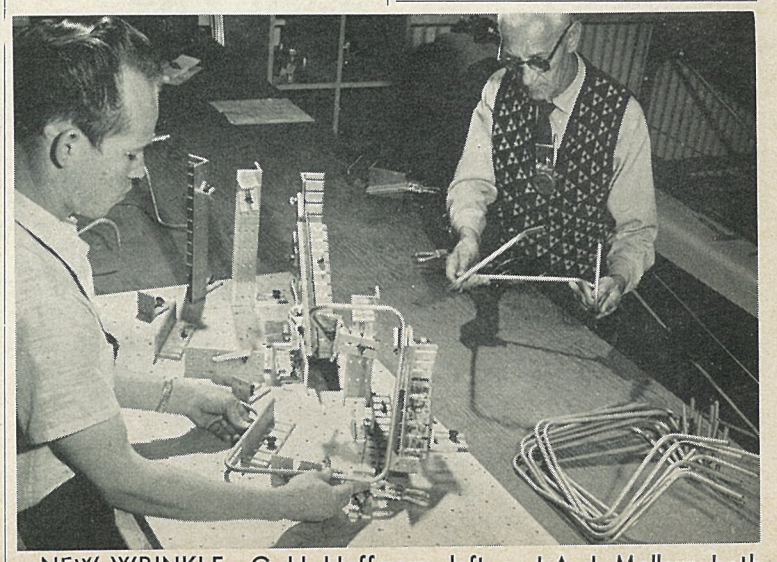
"Accuracy is a must and checking each angle in turn left room for error," said Mike Alianelli, Dept. 255 foreman. "Now we check the entire assembly in one operation, eliminating the need for constant inspection checks."

While there is no limit to the size of tubing that can be checked, Convair's needs usually range from assemblies six inches long to more than 46 inches.

Test Pilots Assist Ariz. TV Opening

Two Convair San Diego engineering test pilots, Don Germeraad and B. J. Long, appeared on a special television program titled "Wings Over Phoenix" June 2 in helping open a new TV station.

Arrangements for their appearance were made through the U. S. Naval Facility at Litchfield Park, Ariz. Both Germeraad and Long hold commissions in the Naval Reserve. In addition to personal interviews with the two test pilots, models of the "Sea Dart," "Pogo" and "Tradewind" were shown along with excerpts from the Convair-produced film "Supersonic Wedge."



NEW WRINKLE—C. H. Hoffmann, left, and A. J. Molleur, both Dept. 255 SD, demonstrate new check gauge used for tubing at San Diego, a considerable improvement over old method.

Rivets

It's safe to say that there was no more pleased individual in all of Convair one day late last month than **Charles W. Shackelford** of Dept. 407. Honor guest at a surprise party to honor his sixty-fifth birthday, he collected a billfold, lighter and a shirt, among other gifts and along with some 80 others munched part of a three-foot high birthday cake.

"I was so overcome I didn't have a word to say," he recalled. "And it wasn't because my mouth was full of cake."

SD Divers to Spear From Racing Yacht

Convair SD's Delta Divers are making tentative plans for an all-day spear fishing expedition off La Jolla and Point Loma aboard the 50-foot racing yacht owned by Bob McClendon, Dept. 110.

Final arrangements will be completed in the near future and further information is available by calling Commissioner Bob Hutson at ext. 267, Plant 2.

Dave Chambers, Dept. 6, copped top honors in the June 5 spear fishing contest. Rough surf limited the total catch.

Swing Shift Keglers Plan Summer Loop

Swing shift keglers will gather at Pacific Recreation at 1:30 a.m. Saturday (June 18) to map plans for a summer scratch trio bowling league. Meanwhile four other leagues moved into the first rounds of summer play.

The Tuesday league at Pacific includes some 10 teams, while 16 teams make up the Wednesday league at the same location. Twelve teams each roll in the Thursday league at Victory Lane and the Friday loop at Tower bowl.

The swing shift trio league will roll at 1:30 a.m. on Wednesdays at Pacific Recreation.

Chambers Triumphs In 'Chop Suey' Event

Larry Chambers (Dept. 6, SD) emerged as winner of the "chop suey" singles tennis event staged June 4 at Morley Field between Convair netmen from both San Diego and Pomona. H. Bodwell was runner-up and Barbara Munson won the women's event.

Tentative arrangements were made between the two tennis groups to hold team matches in mid-July involving both men and women. Chambers will captain the SD men's team.

Extension Offers Summer Courses

Schedule for summer classes of the University of California, University Extension, became available last week at San Diego. Courses are offered in a variety of categories including business administration, economics, mathematics and philosophy. The extension office is at 1015 Seventh Ave., BE 9-9221.

LUNCHEON GUESTS—San Diego State College students who received Convair awards for undergraduate study were luncheon guests of San Diego Manager B. F. Coggan (center) recently. Four will take summer jobs at Convair SD and others are either graduating or attending summer school.

Convair Scholars at State College End First Year of Award Program

Eight San Diego State College students who received Convair awards for undergraduate study during the past school year were guests of B. F. Coggan, manager at Convair SD, at a luncheon late last month.

Each of the students received $75 per semester toward their education in a program that started last September. They will continue to receive the awards until they graduate, as long as they continue to meet certain requirements. Three of the students are majoring in engineering, two each in physics and business management and one in accounting.

Nine additional students will enter the program shortly after the beginning of the regular 1955 college year and nine each year thereafter.

As part of the luncheon, Coggan offered employment at Convair SD to all of the students during the summer months. Four of the students will accept jobs, while others will continue their studies.

Donald Macdonald, a business management student, is the only graduating senior in the group. He will finish his studies in August. Other students now in the program include James G. Shriver, Charles J. Durnian, Kenneth Wilson, Raymond Wilson, Donald W. Bellairs, Joseph A. Seavello and Glenn B. Donaldson, Jr.

Three New Classes In Dancing Formed

Three new classes for ballroom dancers at Convair San Diego have been announced by Ellen Andreasen, CRA commissioner.

A beginning class in ballroom dancing meets each Tuesday from 7:30 to 8:30 p.m.; a beginners' all-Latin class, Thursdays, 9 to 10 p.m., and a "baby ballet" class, for tykes three to five years, each Saturday at 1 p.m.

Teen-age dance classes will continue during the summer vacation, with the high school group dancing Mondays, 7 to 9 p.m., and the junior high teen-agers, Thursdays, same hours.

All classes are held in the Silverado Ballroom, University and Euclid. Further information is available through Martha Woodberry, ext. 1245, Plant 1, or Mrs. McGrath, AT 2-0975.

Gun Club Will Host County Sportsmen

Convair Gun Club at San Diego will host the June 28 meeting of the Federated Sportsmen of San Diego County to be held at the Natural History Museum, Balboa Park, beginning at 7:30 p.m.

Topics for discussion include items of general interest to sportsmen plus reports from the group's president, Eugene Conway, and George Difani, state president of the organization.

Officers for the 1955-56 year will also be elected.

Sebold Speaker at ASME Section Meet

R. C. Sebold, Convair vice president—engineering, was the speaker at a special meeting June 2 at Kona Kai Club staged by Convair SD members of the San Diego Section, American Society of Mechanical Engineers.

Sebold discussed the changes in the operation of Convair brought about by the merger with General Dynamics Corporation.

Richard Meleney is vice chairman for the group for the coming year, while Bob Kuhns will serve as secretary-treasurer. Both are from engineering at Convair SD.

Radio to Air Song For Convair Wife

A song written by a Convair SD wife will be presented for the first time Saturday over the NBC radio program "A Song Is Born."

Mary Harding, wife of George Harding of Dept. 406, penned words and music to the "pop" tune titled "Road to Happiness." She will appear on the program at the same time for a personal interview. Originating in San Diego, the program can be heard locally over Station KFSD from 11:30 until noon.

Convair Apprentice Now Pilot in AF

Graduation exercises last month at Laredo Air Force Base, Texas, held more than just a casual interest for one Convair San Diego family.

James D. Sanders, formerly a member of the Convair apprentice program and son of DeWitt L. Sanders, Dept. 22-9, received his gold bars and silver wings as a pilot in the U.S. Air Force.

Second Lt. Sanders has been assigned to Greggs Air Force Base, Ala., for instructor's training.

Third Annual SD Plant 2 Fabrication Picnic Expected to Draw Over 1,000 to Lakeside

Fabrication departments at Plant 2, Convair San Diego, will hold their third annual picnic Sunday, June 26, at El Monte Park, Lakeside. About 1,200 are expected to attend.

The fun will begin at 9 a.m. and continue until 6 p.m., according to J. P. Ruiz, Dept. 202, general chairman. Families will carry their own basket lunches but refreshments will be furnished. There will be games and contests for both adults and children, the "Southlanders" will furnish music for dancing, and door prizes will be awarded.

"Highlight for the kiddies will be the appearance of Monte Hall, popular San Diego radio performer," Ruiz said.

Tickets may be obtained from Mae Jarmen, Dept. 215; Nado Nunoz, Dept. 255; Edio Grace, Dept. 201; Blanche Murphy, Dept. 205; Bill Ellis, Dept. 206; L. P. Delmartin, Dept. 204; Evelyn Thies, Dept. 203, or Ruiz, ext. 335.

Club Starts Work On CRA Horse Show

Convair Riding Club at San Diego put out the "help wanted" sign this week as they began the task of preparing for the seventh annual CRA horse show to be held July 24 at Palomar Stables.

Volunteers interested in helping in some phase of the program may contact Commissioner Marc Beresford, ext. 313, Plant 2, or at HI-4-3260.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays, 6 p.m., Kearney Mesa.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative, AT 1-4612 after 10:30 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Instruction Saturdays, 10 to 12 noon, Laurel Street range. Equipment available.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Conference Bldg., Balboa Park.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., beginning ballroom; 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m. junior high teen-agers; 9 to 10, beginning all Latin.

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners. Summer league schedule: 6:30 p.m., Tuesdays and Wednesdays, Pacific Recreation; Thursdays, Victory Lanes; Fridays, Tower Bowl. Swingshifters, 1:30 a.m., Wednesdays at Pacific Recreation.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m., for club members only. Regular meetings second and fourth Mondays, each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals discontinued until fall.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Next meeting July 13, Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1. Sweepstakes June 18-19, Agua Caliente Country Club.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2 (second shift), commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Special instruction restricted to Convair employees and their immediate families at Sonald Ice Skating Studio, 3464 Midway Drive. For further information call AC 2-4467 or visit studio.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free show for Convair employees and their families each Friday at 7 p.m., CRA Clubhouse. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (June 16) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners, 9 a.m. to 1 p.m.; intermediate 1 to 2 p.m.; advanced 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 507, Plant 2; (second shift), Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT 4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. Persons interested in club should contact Membership Chairman, Tom Simpson, HU 8-5923, after 4 p.m.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner. Meetings discontinued until fall.

SWIMMING—Convair swim night for employees and their families, Saturday, July 9, Mission Beach Plunge, 7 to 9:30 p.m. Tickets available at employee services, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Free CRA movies each Friday at 7 p.m., in CRA Clubhouse at San Diego, for Convair employees and their families.

Friday, June 17: TUMBLEWEED (color), Audie Murphy, Lori Nelson.

Friday, June 24: COMANCHE TERRITORY (color), MacDonald Carey, Maureen O'Hara.

Bargain rate movies each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, June 21: Tentatively scheduled: TOBACCO ROAD and GRAPES OF WRATH.

Tuesday, June 28: APACHE (Technicolor), Burt Lancaster, Jean Peters. TITANIC, Barbara Stanwyck, Clifton Webb.

Efforts to Evict Pigeons From SD's Plant 2 Balked Partly Because They Get Free Feed

Vern Sharp, Convair SD assistant chief plant engineer, called for help this week in discouraging pigeons from making their homes at Plant 2.

"We have a continuing problem to keep the birds out of the buildings, particularly Bldg. 3," he said. "We don't mind their 'cooing' or even the feathers that float down. It is the 'bombardment' damage to components and materials and even people that we are concerned about."

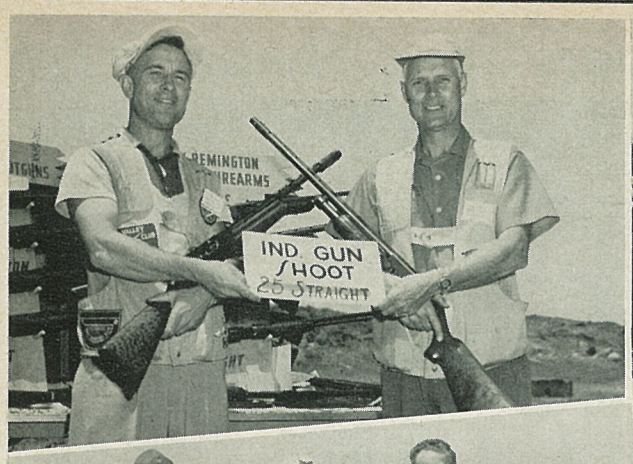
Sharp asked Convair lunchers not to feed the birds.

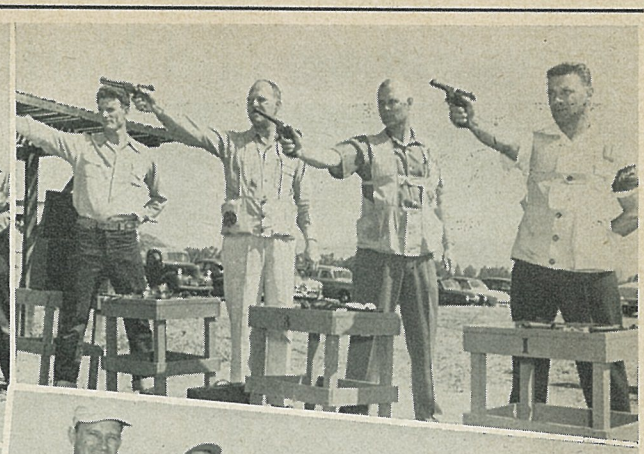
"We are trying every humane method we can think of to encourage the pigeons to leave. But so long as regular food is available to them we are fighting a losing battle," he added.

SD Singers Suspend For Summer Season

Convair SD Choral Club has put away its music for the summer months with tentative reorganization of the group set for Sept. 19.

Over 70 members of the club and their families enjoyed a picnic June 5 at Felicita Park, Escondido. John Thornbury acted as chef.





FLYING LEAD—Plenty of lead penetrated targets and clay pigeons June 5 at the annual Industrial Gun Shoot, hosted by Convair CRA at Valley Gun Club. And Convair marksmen came away with their fair share of trophies. Center photo at top shows all Convair winners. Top left shows Jack Benedict and Roy Cunningham, who broke 25 straight, Benedict in skeet and Cunningham in trap. Center below is rifle "firing line." Below left are members of rifle team; top right is pistol team; below right is trap team. Field, composed of shooters from industrial concerns in SD area, was largest in event's history.

Sports

Golf, Anyone? Class Planned

Group golf lessons for Convair SD players and members of their immediate families were proposed this week by Russ Osgood, CRA commissioner.

Osgood felt that if enough are interested a series of six lessons at $1 a lesson could be arranged with Frank Rodia as instructor. Rodia, for years a leading San Diego professional, was eight times Pacific Northwest champion and has won many other titles. The lessons would be held at the driving range adjacent to the Mission Valley Golf Club.

"There would be from 10 to 15 in a group and lessons would stress fundamentals," Osgood said.

"Anyone interested should telephone me at ext. 1635 and specify the most convenient time, late afternoon or evening, so that we can arrange a time to fit the majority."

PRACTICING—Though it was just a warm-up game, Jack Sneed of Dept. 215 plant league team at SD looks as though he's seriously trying to connect. Catcher is Curtis Tyree of apprentice team, and Winfray McPhatter is umpiring.

Convair SD Marksmen Dominate Gun Shoot

Convair San Diego marksmen again dominated major divisions of the second annual Industrial Gun Shoot held June 4 at Valley Gun Club.

Winners last year of top prizes in every division, Convair sharpshooters this year took first in rifle, skeet and trap and relinquished only the top spot in pistol competition.

Naval Air Station broke into Convair's complete mastery of the event by taking first in pistol with a total score of 1,108. Convair's Targeteers (Joe Williamson, Jake Nerlinger, Jim Halfacre and George Clayton) deadlocked with Solar for second with 1,100 team totals and then won the rapid fire shoot off 356 to 353.

Convair's Rimfires (H. C. Hampy, W. Isbell, Eugene Arbtin, Herold Schnaubelt and R. Saether) took first in the rifle event with a team total of 1854-45X. Convair's Targeteers were second.

Jay Cushman, J. K. Field, Walt McDougal, Clark Kerr and Warner Gatterman (Convair Honkers) won the trap event with a 113 team total. Solar finished second.

The Eager Beavers (C. Pharis, D. Hayworth, M. Goodall, W. Eddington and B. Vargas) took skeet honors for Convair with a 115 team total. Convair's Wolverines placed second.

Convair's Roy Cunningham and Jack Benedict were the only marksmen to break 25 straight "birds" in shotgun events. Cunningham in trap and Benedict in skeet.

Cougar Hunt Ahead For Adventurous in Holloman Colony

Recreational activities for Convair employees assigned to Holloman AFB, New Mexico, have taken an upswing during the past few weeks with bowling, softball and riding proving popular pastimes.

Helen Toole, secretary-treasurer for the riding group has announced a varied program for the summer months including a chuck wagon dinner, a cougar hunt, a barn dance and an overnight pack trip.

Fred Goodrich has been named president of the men's softball league in Alamogordo which includes nine teams playing Tuesday and Friday nights.

Meanwhile Convair keglers have been among the league leaders in the Alamogordo men's summer loop activities with a team captained by Angelo Maracchini and including J. D. Darsey, V. Radohl, G. N. Rhodes and Fred Goodrich.

City League Teams Look Good; Plant Loops Start Next Week

Softball got underway at Convair SD last week with two city league teams making a good showing in their opening games while plant league teams finished a practice round and prepared to launch play in two loops next week.

The Convair Eagles, playing in "AAA" competition with the six best teams in San Diego County this year, fought defending champion Anderson Furniture to a 4-4 tie in a game that was called to abide by time limit regulations. Chuck Collins gave up only seven hits, while Nick Nicholas blasted out a homer, a triple and a single to pace the Eagle batters. Johnny Murillo led a tight Convair infield.

Convair-Liners opened their Industrial league action with a 10-3 win over San Diego Trust last week.

The plant loop opens June 20 in the American league and June 22 in the National league.

★ ★ ★

SCHEDULE

NATIONAL LEAGUE

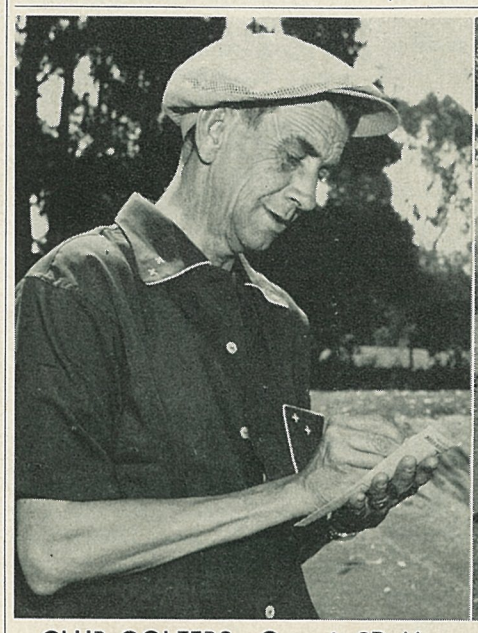
Date	Time	Field	Teams
June 22	8:15	Convair	52 vs. 110
June 24	6:30	Presidio	55 vs. 215
June 24	8:15	Presidio	524 vs. 70
June 24	6:30	Convair	522 vs. 31
June 24	8:15	Convair	406 vs. 558
June 29	6:30	Convair	215 vs. 52

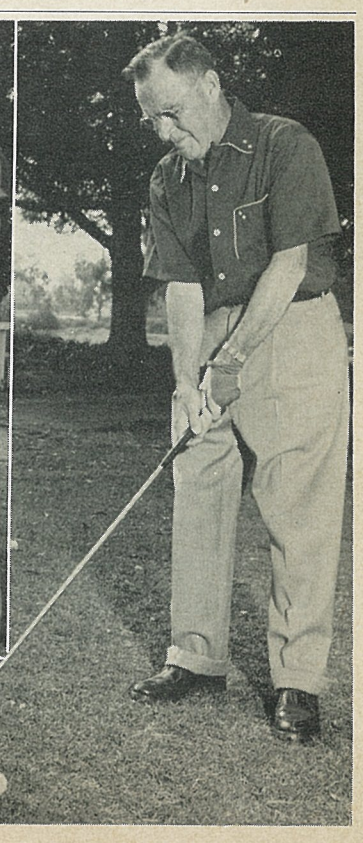
AMERICAN LEAGUE

June 20	6:30	Cabrillo	603 vs. 22
June 20	8:15	Cabrillo	Ramp vs. 8
June 20	6:30	Convair	Wing & Tail vs. Elect.
June 20	8:15	Convair	Mockup vs. App.
June 22	6:30	Convair	4 vs. 11
June 27	6:30	Cabrillo	8 vs. 603
June 27	8:15	Cabrillo	22 vs. Elect.
June 27	6:30	Convair	Ramp vs. App.
June 27	8:15	Convair	Wing & Tail vs. 11
June 29	8:15	Convair	Mockup vs. 4

Golfers to Tackle Caliente Course

Next CRA golf sweepstakes at SD will be June 18 and 19 over Agua Caliente course, featuring a "best nine" event with prizes in four handicap divisions. Tee times are from 7 a.m. to 10:30 each day and reservations must be made by calling ext. 541, Plant 2.

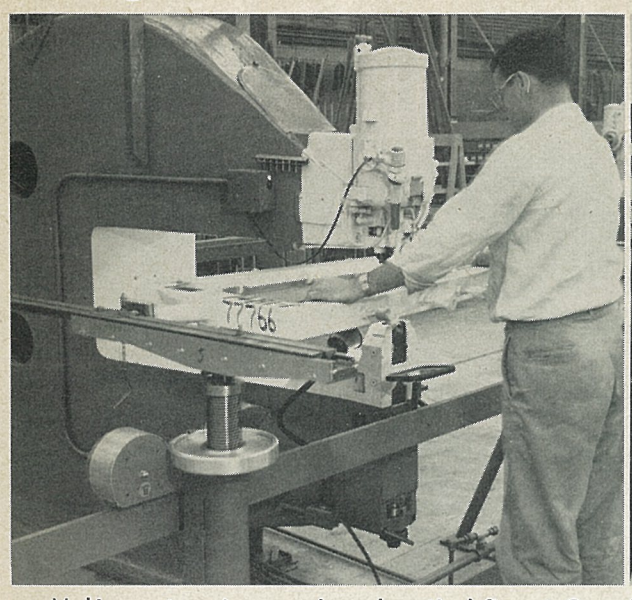




CLUB GOLFERS—Convair SD Management Club fielded a team of 40 in annual NAF Spring Golf Tournament June 5 that drew total of 256 to Rancho Santa Fe. At left is new prexy Bob Elo and at right is veteran club member Jim Kelley. Center shows golf committee (members Tom Wills and Frank Blair absent), left to right: Gerry Cox, Russ Davis, Scotty Doig, Mike Alianelli, Lee House, Maynard Bjorstrom. Convair golfers were easily distinguished from rest of field, thanks to blue sports shirts supplied by club. Shirts carried Convair emblems on backs.

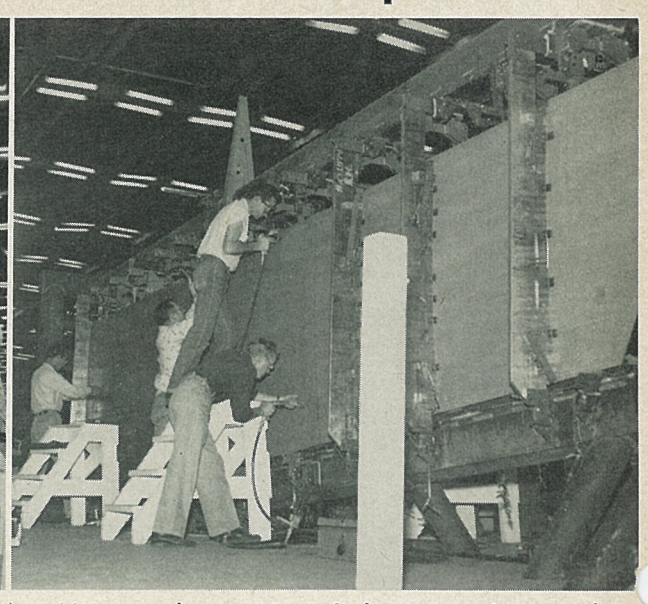
FORE

Wing Panels and Vertical Fins For B-52 Bombers Take Shape at FW



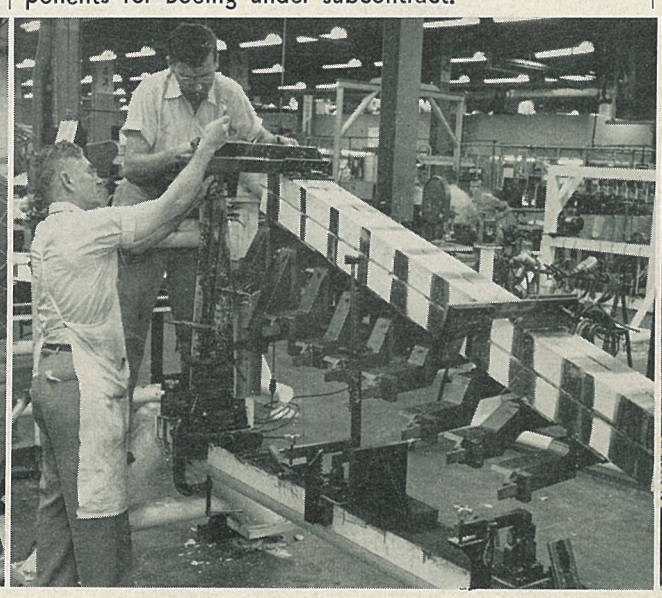
Making outer wing panels and vertical fins at Convair FW for B-52 starts at riveting machine such as this one operated by J. P. Sanders of Dept. 42.

These crews are "boxing in" a section of the B-52 outer wing panel. Convair FW is building these components for Boeing under subcontract.

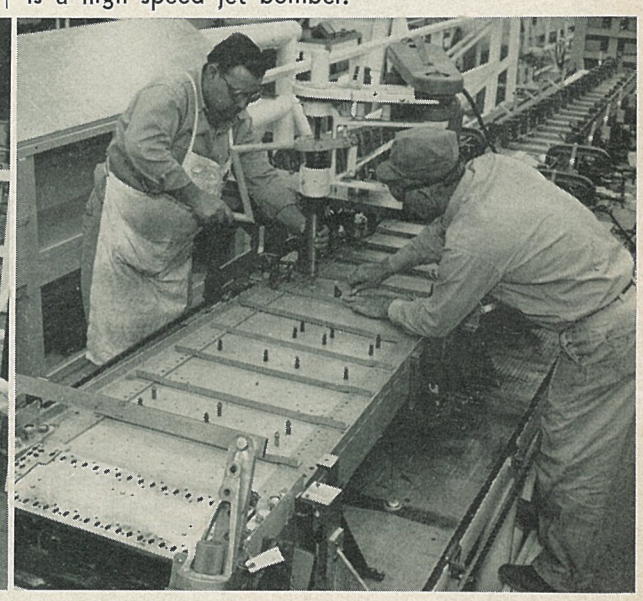


Here another portion of the outer wing panel is boxed in and crews apply final rivets. Boeing B-52 is a high speed jet bomber.

C. L. Stinson, left, and S. L. Helstrom apply final touches to "pie section" of vertical fin which then will be mated with main spar.



Tip of vertical fin gets started here by Jimmy Pyatt, left, and L. C. Willingham Jr. When complete it, too, will be mated with main spar.



This is the vertical fin main spar in which H. N. Runge, left, and C. L. Skelton are drilling rivet holes. Sections in photos at left will be attached to it.

More Cargo Records Tumble as XC-99 Completes Icy Missions

New records by the chapter were in the log book of the Air Force XC-99 at Kelly AF Base, San Antonio, this week.

And they all were set on six round trips between Dover, Del., and Keflavik, Iceland, a desolate 2,500-mile span of ice-covered sea and frigid wasteland.

Purpose of the mission was to carry 300,000 pounds of high priority freight to the arctic base. Instead: it carried 380,000 pounds.

Among other things, the Convair-built world's largest operating aircraft—

Was airborne 201 hours and 30 minutes during the month. (Previous record was 167 hours.)

Needed only one engine change for the entire mission.

Passed its 5,000th hour in the air, believed to be an all-time record for a U. S. experimental aircraft.

The 5,000th hour, crews reported, was over the southern tip of Greenland when it was three hours and 56 minutes out of Goose Bay, Labrador.

The plane, which was on loan to Military Air Transport Service during May, is expected to resume twice-weekly trips from Kelly to major west coast AF depots shortly.

The six round trips to Iceland were made with Maj. Clair W. Potter and Capt. Jim Douglas at the controls.

Enlisted crewmen, under M/Sgt. Malford Miller, alternated flights.

Thirty civilian maintenance technicians were stationed at Keflavik during the period. All maintenance work had to be done in the open in sub-zero weather.

Stromberg-Carlson Men Visit Groton

Seven management representatives of Stromberg-Carlson Company this month visited Electric Boat Division for a two-day tour and Electric Boat executives paid a similar visit to Stromberg-Carlson the following week.

Purpose was to acquaint management with facilities of the two concerns.

A merger of Stromberg-Carlson into General Dynamics Corporation was approved by directors in April and shareholders will vote on the merger June 28.

HOME AGAIN—Convair-built XC-99 returns to Kelly Air Force Base, Texas, and wives and children of crew members are welcoming committee. Plane had been away 30 days while making six round trips from Dover, Del., to Keflavik, Iceland, carrying cargo.

B-52 Components Built by Convair FW Will Enter Final Assembly at Witchita

Major components for the Boeing B-52 jet bomber this week at Convair Fort Worth were beginning to look their part: sleek swept outer wing panels and vertical fins.

The first completed assemblies are scheduled to be shipped out of Fort Worth in the early summer.

"And from the way it looks right now," said R. E. Davis, "they'll be out well on schedule." Davis is FW superintendent of sub-assembly and final assembly.

The components are destined for the final assembly line of Boeing's plant at Wichita, Kan., a second source producer for the Boeing plant at Seattle, Wash.

Box sections (the main structural weight-bearing portion) for the earlier wings already have been completed in Dept. 42. They're being built in fixtures located near Col. 35 beside the C aisle. Directing the B-52 subcontract production is General Foreman R. D. Knowles.

After the box sections for the wings are complete, they go vertically into another set of fixtures. At this point, the leading edges, with built-in de-icing systems, are installed.

The leading edges are double skinned with air spaces between to permit circulation of hot air.

At the same time, trailing edges are attached to the box sections. Trailing edges will include the outrigger-type wheels which swing down at time of landing to help balance the speedy jet. Wing tip gear is built by Bendix, installed by Convair. (Virtually all the weight of the plane is borne by the main landing gear under the fuselage.)

Bladder-type fuel cells made of rubber also are installed.

While all this is going on, other Dept. 42 crews are busy working on vertical fins.

Small sub-assemblies are first built by employees using riveting machines. These then are assembled in fixtures into larger assemblies, such as the vertical "pie section" and fin tip assemblies. From there, the larger assemblies go into mating fixtures for completion.

While there's no guarantee, Convair expects Boeing subcontract work to continue over a long period of time.

Top U.S. Scientists Confer at FW With General Dynamics Officials

Six of the nation's top scientists conferred at Convair Fort Worth last month at the same time the division was host to Gen. Joseph T. McNarney, Convair president.

Also on hand during the meetings were 14 other high ranking Convair and General Dynamics Corporation officials and members of the Board of Directors.

The scientists met to consider special problems in the development of military aircraft and missile systems for the armed forces, and problems of basic nuclear energy research and industrial applications of nuclear power.

General Dynamics board members present included: McNarney, J. V. Naish, R. B. Watts, Adm. Lawrence B. Richardson, Lambert J. Gross, Roger I. Harris, Allen D. Marshall, Earl D. Johnson, Frank Pace Jr., O. Pomeroy Robinson Jr. and Gordon Dean.

High ranking Convair officials included R. C. Sebold, R. H. Biron and T. G. Lanphier. Also present were C. Shugg, manager of GD's Electric Boat Division, and Fred Warren of General Dynamics.

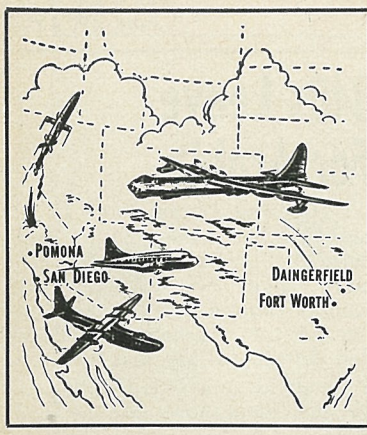
Scientists were led by Dr. Charles L. Critchfield, Convair's director of scientific research, and Frederic de Hoffmann, assistant vice-president for nuclear planning.

Meeting with them were four of the 14 scientists who serve as consultants to Convair: Dr. Richard Courant, director of the Institute of Mathematical Sciences at New York University; Dr. John A. Wheeler, professor of physics at Princeton University; Dr. Mark M. Mills, chief of the theoretical division at Livermore Laboratory of the University of California; and Dr. Edward Teller, professor of physics on the Berkeley campus of University of California, and associate director of the radiation laboratory of the University of California.

Pace, Cohu Speakers At Commencements

Two General Dynamics Corporation directors delivered college commencement addresses recently.

Frank Pace Jr., also General Dynamics executive vice president, was the speaker for Washington College, Chestertown, Md. and LaMotte T. Cohu, a former president of Convair, spoke for Whittier College, Whittier, Calif.



Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere.

Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

Vol. 8, No. 13 Wednesday, June 29, 1955

San Diego

EDITION

San Diego news office: Building 32, ext. 1071.

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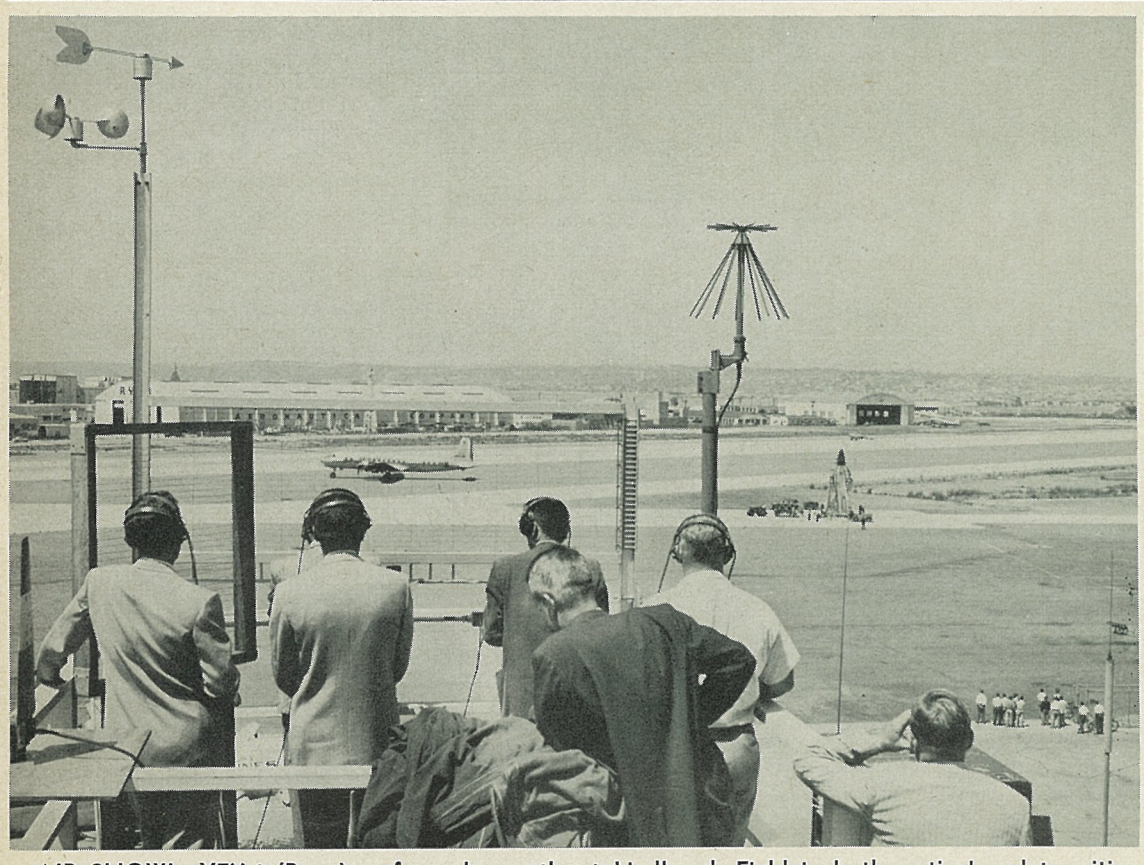


AIR SHOW—XFY-1 (Pogo) performed recently at Lindbergh Field in both vertical and transition flights. This photo was taken from control point atop Bldg. 4 just prior to flight, where direct communication with pilot is maintained.

LEVELING—XFY-1 shifts from vertical to horizontal flight as scattered spectators watch.

CRA to Hold Fifth Baseball Drawing Friday Afternoon

CRA will hold its fifth drawing of the year for free baseball tickets to Padre home games on Friday (July 1).

Five tickets each to the July 11 through July 15 games with Portland and the July 16 and July 18 games with San Francisco will be given away.

To take part in the drawing, write name, clock, department and plant telephone number on a slip of paper and deposit in any of the boxes located at employee services offices at both plants and in Convairiety office, Bldg. 32, Plant 1. Winners will be notified to pick up their tickets.

To date, CRA has handed out 150 free tickets.

Last 340s Get Speedy Completion, Rushed Overseas For Mecca Run

The last of six Convair-Liner 340s ordered by Saudi Arabian Airlines departed San Diego last week bound for a quick overseas flight and possible around-the-clock service in Arabia during the coming month.

The government-owned Arabian airline now has 10 Model 340s in service which are expected to bear the brunt of air travel during the July pilgrimage of thousands of Moslems to Mecca.

Ed Buckman, Convair service engineer assigned to Saudi Arabia during the same period last year, reports the pilgrimage period as one of the most frenzied in the world.

"Pilgrims begin the journey to Mecca sometimes as early as a month or more before the five-day religious observance. Every public transportation facility is jammed and airlines operate around the clock."

Completion of the last six Model 340s and their delivery

(Continued on Page 2)

★ ★ ★

German 340s Make Friends

Convair-Liner 340s are earning a lot of new friends among air travelers on the recently revived West German airline Lufthansa.

That's the word brought back this month by A. P. (Speed) Wilson, Convair production flight captain, who has been in Germany for the past six months acquainting pilots with the operation of their four Convair-liners.

"The return to commercial aviation for the first time since the war means a lot to the German people and they are extremely proud to be operating the world's most modern twin-engine transport," Wilson said. "Pressurized cabins and the Convair's fast loading and unloading features have caught the public's eye."

Wilson added that good loads are being carried over all of the airline's routes on the continent which include stops at all major West German cities as well as Madrid, Paris, and London.

Wilson said competition for the West German flying jobs was high with literally thousands applying. Of these, however, only 26 pilots were checked out, including nine British pilots who will serve as captains. The German applicants were handicapped by having to catch up with aviation advances since they last flew.

Maintenance facilities and personnel at Lufthansa's main base at Hamburg are excellent and the majority of West German airports have been repaired since the war years, Wilson added.

Convair to Observe July 4th—as Usual

All Convair divisions will suspend operations Monday, July 4, in observance of Independence Day. Only a skeleton security force and those employees notified in advance will be required to work.

SD and FW Join To Build New F-102 Trainer

Convair will build a two-place trainer version of the F-102A. Some components will be built at Fort Worth.

R. C. Sebold, vice president-engineering, made the announcement last week, reporting that the "combat proficiency" trainer has been ordered into production by the Air Force.

Designated the TF-102A, it will be used for training pilots destined to fly the F-102A, the supersonic all-weather jet interceptor which is under production at Convair San Diego's Plant 2.

Sebold said that certain sections of the TF-102A will be fabricated at Fort Worth and shipped to San Diego for final assembly. Like the F-102A, the new trainer will be powered by a Pratt & Whitney J-57 turbojet engine with afterburner.

Meanwhile, the first production model of the F-102A was trucked to Edwards Air Force Base last week from San Diego. Subsequent airplanes, however, will go to Palmdale for field operations functions, B. F. Coggan, Convair SD manager, indicated. Both Edwards AFB and Palmdale are near Lancaster, Calif., on the Mojave desert. Palmdale facilities currently are being expanded and improved in anticipation of increasing flight test acceptance activity there.

BLOOD DONATIONS TOTAL 105 PINTS

Although volunteer donors gave 105 pints of blood at the special June 23 visit of the bloodmobile, Convair SD employees' credit at the Blood Bank will remain dangerously low until the scheduled July 28 visit.

Credit at the bank was exhausted early in June and the special visit was arranged in an effort to obtain 150 pints necessary to meet current needs.

All Plant 2 employees will be given an opportunity to donate July 28.

OFF TO OLD WORLD—Ahmed Abdul Majeed, Saudi Arabia minister of defense, dons native costume to pose with one of six Convair-Liners which will serve his country. Left to right: Warren Tucker, Convair pilot; Charles Brenner, Saudi Arabian Airline purchasing superintendent; Convair Pilot Ray Hall; Robert Conley, Convair commercial contracts manager; Frank Sinclair, Convair foreign sales manager.

Conversion Begun On Four C-54s

Development and modernization department crews at Convair Fort Worth went into full swing this week on four C-54 transport planes to make them into air rescue craft.

In development department, crews had completed a series of operations on the prototype of the four-engine transport.

Equipment, fuel tanks, systems and instrument panels were pulled from the first ship as the first step in the modification program. The cargo door was also removed for modification to Air Force and Convair engineering-drawn specifications.

Convair Planes Shown at Fair

Models of Convair-built aircraft and one actual airplane are playing a big part in exhibits now on display at the Southern California Exposition which runs through July 4 at Del Mar.

San Diego residents are getting their first look at the Air Force's XF-92A, world's first delta wing airplane, since it was made into a traveling AF exhibit. The complete airplane is being displayed along with a model of the B-36 bomber.

Convair's exhibit in Bing Crosby Hall features models of the F-102A, the XFY "Pogo," a T-29 and the delta wing Sea-Dart, all with working parts.

The Navy display features models of the R3Y-2 bow loader version of the "Tradewind" transport, a Terrier guided missile and the atomic-powered submarine Nautilus, built by a Convair sister firm, Electric Boat Division.

Interior Decorating Subject of Program For Women July 5

Convair San Diego women will hear about the art of interior decorating at the regular Ladies' Night program next week, Martha Woodberry, commissioner, announced this week.

Allen Hughes, director of interior decorating for Lloyd's House of Fine Furniture, will conduct the program at 8 p.m., Tuesday, July 5, in the House of Hospitality Auditorium, Balboa Park.

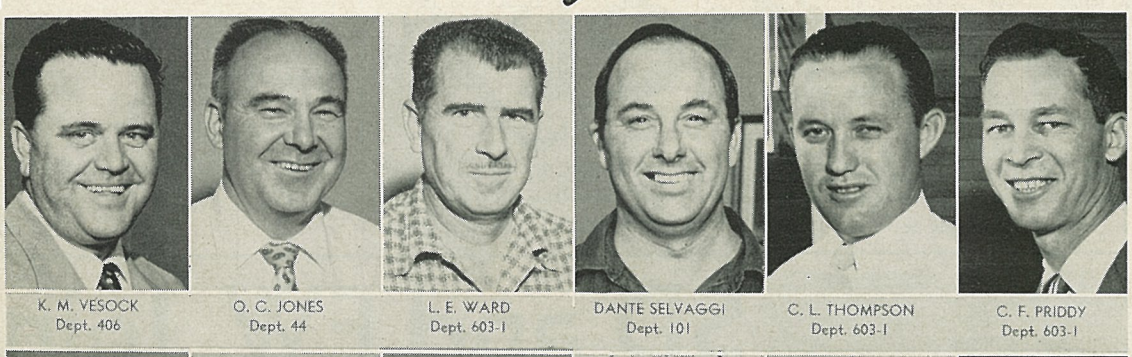
Tickets are free and may be obtained from employee services at both SD plants.

Lt. Col. Hutton New AF Plant Rep. at FW

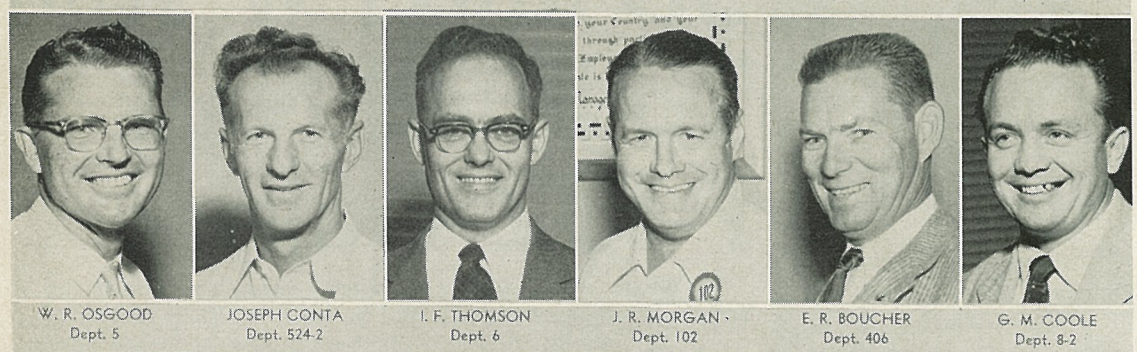
Lt. Col. Leonard J. Hutton next week will succeed Col. C. (Doc) Savage as Air Force plant representative at Convair Fort Worth.

Savage is being transferred to the Air War College, Maxwell AFB, Ala. He has been plant representative since May, 1951.

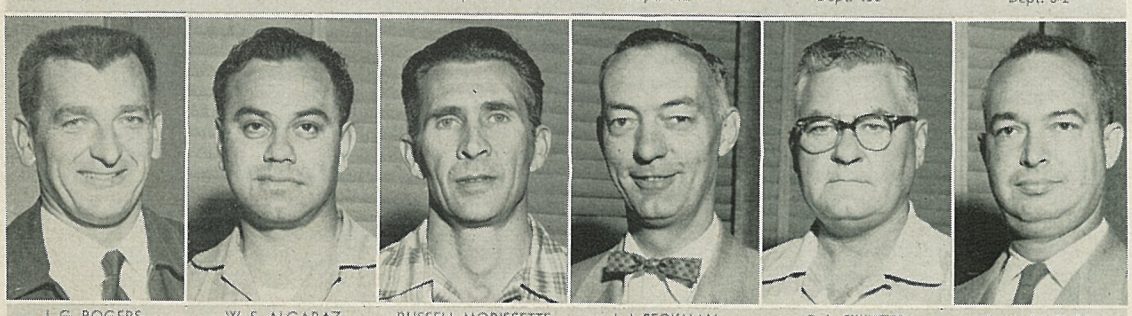
Pomona ★ Log Book Entries ★ San Diego



K. M. VESOCK, Dept. 406 — O. C. JONES, Dept. 44 — L. E. WARD, Dept. 603-1 — DANTE SELVAGGI, Dept. 101 — C. L. THOMPSON, Dept. 603-1 — C. F. PRIDDY, Dept. 603-1

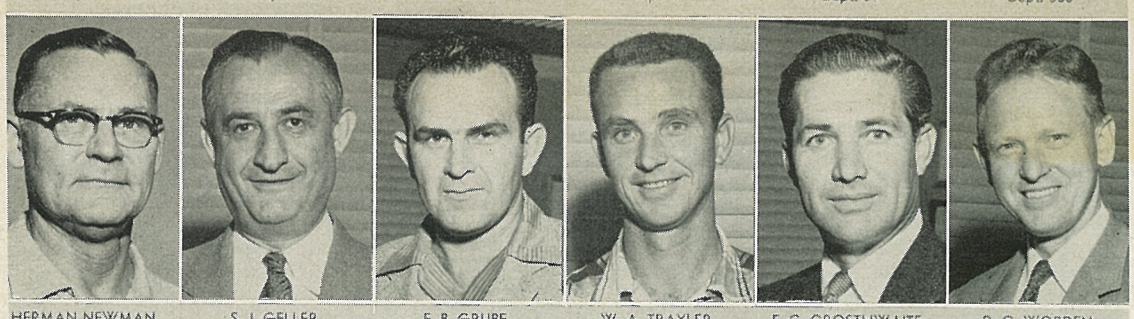


W. R. OSGOOD, Dept. 5 — JOSEPH CONTA, Dept. 524-2 — I. F. THOMSON, Dept. 6 — J. R. MORGAN, Dept. 102 — E. R. BOUCHER, Dept. 406 — G. M. COOLE, Dept. 8-2



J. G. ROGERS, Dept. 300 — W. S. ALCARAZ, Dept. 31 — RUSSELL MORISSETTE, Dept. 31 — J. J. BECKMAN, Dept. 6 — C. L. SWITZER, Dept. 6 — S. W. SWENSON, Dept. 6

JOSEPH RAMIREZ, Dept. 44 — FREEMAN D'VINCENT, Dept. 6 — C. E. CARDO, DEPT. 603-1 — JOSEPH DARWELL, Dept. 31 — F. E. MAUS, Dept. 31 — L. F. BUCZYNSKI, Dept. 300



HERMAN NEWMAN, Dept. 350 — S. J. GELLER, Dept. 6 — E. B. GRUBE, Dept. 8-1 — W. A. TRAXLER, Dept. 6 — F. G. CROSTHWAITE, Dept. 8-5 — D. C. WORDEN, Dept. 6

Service Emblems

R. C. Sebold, Convair vice president-engineering, is latest to receive a 25-year emblem. Presentation was made by Gen. Joseph T. McNarney, president of Convair.

These are photos of SD men who recently completed 15 years service.

SAN DIEGO

Service emblems due during the period June 21 through June 30:

Fifteen-year: Dept. 2-2, A. P. Higgins. Dept. 6, C. S. Brandt, E. E. Sowers. Dept. 25-1, A. W. Bonderson. Dept. 31, R. R. Atkinson, M. A. Beddow, W. F. Butcher, J. P. Oakley. Dept. 60, E. L. Kirby. Dept. 401, A. L. Bishop Jr. Dept. 403, H. A. Ferrell.

Ten-year: Dept. 2-2, W. L. Young. Dept. 6, B. F. Michalenski. Dept. 22-5, Mary J. Carty. Dept. 25-1, W. H. Nanninga. Dept. 30, B. H. Bingham. Dept. 31, J. R. Hobbs. Dept. 72, H. L. Adams. Dept. 102 H. G. Draper. Dept. 403, W. S. Mills. Dept. 528-8, Kent Sinclair.

Five-year: Dept. 6, L. V. Andrew, C. L. Bennett, Eleanor M. Brooks, Robert Campbell, G. R. Dunn, E. R. Gauthier, W. R. J. Kinney, R. E. Martin, W. D. Reeder, Dorothy G. Rowland, R. S. Stevens.

Dept. 9-1, M. B. Beck. Dept. 10-2, R. K. H. Sue. Dept. 14-4, Mary G. Saiz. Dept. 22, W. M. Alberty Jr., T. J. O'Connor, C. E. Pennick. Dept. 24-1, A. J. Bridger Jr. Dept. 25-1, Z. E. Bishop. Dept. 28, Silas Messer Jr., Mary M. Redbird, Burnice A. Smith. Dept. 30, U. J. Makela, J. R. Reid Jr.

Dept. 37, M. C. Anderson, J. L. Ferguson. Dept. 40, J. L. Hunka. Dept. 44, Manuel Rios, L. W. Schmitz Jr. Dept. 46. F. B. Pollard. Dept. 52, W. P. McFadden. Dept. 55, C. W. Frandsen.

Dept. 56, Henry Peralta. Dept. 70, Margery C. Packett. Dept. 72, Virginia W. Caster. Dept. 101, Maude D. Reid. Dept. 110, L. C. Simek. Dept. 210, Consuela B. Hayes. Dept. 250, Dorothy H. Golden. Dept. 252, Daisy R. Cole.

Dept. 300, M. R. Axtell, C. R. Hamann Jr., W. C. Thompson. Dept. 313, Frank Applegate, R. G. Weir. Dept. 410, J. R. Lyons. Dept. 522-7, Violet T. Woods. Dept. 524-2, H. T. Buckle. Dept. 572, R. W. Keehn. Dept. 603-7, Ann D. Cox.

POMONA

Fifteen-year: Dept. 51, F. J. Niesche.
Five-year: Dept. 72, Alfred Landry.

Births

SAN DIEGO

FERSON—Son, William Francis, 8 lbs. 2 oz., born May 17 to Jim and Virginia Ferson, Dept. 375 (days) and Dept. 22 (swing).

HULSBERG—Son, Lawrence Sheridon Jr., 9 lbs. 7 oz., born May 28 to Mr. and Mrs. Lawrence S. Hulsberg, Dept. 6.

KEEFER—Daughter, Diane, 8 lbs. 10½ oz., born June 9 to Mr. and Mrs. E. C. Keefer, Dept. 9-8.

POMONA

JACOBSON—Daughter, Cheryl Taylor, 7 lbs. 4½ oz., born June 2 to Mr. and Mrs. Orlin Jacobson, Dept. 6.

McCAFFREY—Son, Kevin Christopher, 8 lbs. 6 oz., born May 28 to Mr. and Mrs. Terrance J. McCaffrey, Dept. 27.

STURDIVANT—Son, Barrett Burton, 7 lbs. 2 oz., born June 3 to Mr. and Mrs. Donald B. Sturdivant, Dept. 31.

Deaths

SAN DIEGO

BEDORF—Albert F., Dept. 8-4. Died June 19. Survived by wife, Mrs. Margaret Bedorf; two brothers, one sister.

POOR—Pinckney P., Dept. 25. Died June 13. Survived by wife.

★ ★ ★

Albert F. Bedorf Of Convair SD Dies

Albert F. Bedorf, 57, supervisor in systems and procedures at Convair San Diego, died suddenly June 19 in his home at 4581 Alhambra St.

Mr. Bedorf came to Convair three years ago from Cleveland, Ohio. He was a member of Al Bahr Temple, San Diego; Dallas Lodge 508, Pittsburgh, and Scottish Rite bodies in Phoenix, Ariz.

He is survived by his wife, Margaret; a brother Walter of Los Angeles; and a brother Gustav and sister, Minnie Justus, both of Pittsburgh, Pa.

Diplomas Awarded To Three at SD

Commencement exercises at two San Diego high schools this month saw at least three Convair San Diego employees receiving diplomas.

Edward Hurtado (Dept. 31) graduated from the Hoover Evening high school June 17. Doyle Breech and G. R. Hargis, both of Dept. 31, received diplomas at the June 15 exercises held by the Adult Evening high school at Pacific Beach.

MATERIAL HANDLING SOCIETY WILL MEET

San Diego Chapter, American Material Handling Society, will hold its regular monthly meeting at 7 p.m. tomorrow (July 30) at the San Diego Club. Two films are scheduled for showing.

★ ● ★ Awards ★ ● ★

SAN DIEGO

Employee Suggestion awards totaled $1,162.25 for the weeks ending June 2 and June 9:

Dept. 3, Industrial Relations: C. L. Ambler, $127.50 (final payment).

Dept. 11, Contracts: D. D. Ellison, $40.

Dept. 14, Shipping & Material Stores: M. D. Clark, $25.

Dept. 24, Tooling: M. G. McCullagh and A. L. Standefer, $10 each.

Dept. 25, Plant Engineering: A. L. Burnett, $10; A. D. Eakin, $20; A. M. Eskew, $44.

Dept. 28, Inspection: E. J. Barnett Jr., $25.

Dept. 55, 340 Fuselage: B. R. Nelson, $10.

Dept. 56, 340 Primary: T. M. Miller, $5; K. A. Waid, $45.

Dept. 57, 340 Final: R. L. Bevier and C. R. Woods, $45 each (final payment).

Dept. 60, Model 8 Wing & Tail: W. C. Berry, $21; P. T. Corrao, $50.50; T. D. Ross, $45.75; J. Scrivner, $10.

Dept. 70, Model 8 Fuselage: R. H. Granger, $20; R. V. Nielsen, $10; F. L. Rosas, $10; J. T. Smith, $20.

Dept. 72, Model 8 Fuselage Primary: J. W. Hill. $10; B. E. Lee and J. McCormick, $8.75 each.

Dept. 101, Sheet Metal: R. L. Bales, $48.50.

Dept. 102, Sub-Assembly & Processing: M. C. Brackelsberg, $10.

Dept. 201, Sheet Metal: L. K. Fuller, $32.50; F. Lugar, $33.75.

Dept. 203, Welding: O. D. Sanders Jr., $5; L. E. Twombley, $10.

Dept. 205, Metal Forming: C. D. Lane, $27.50.

Dept. 215, Machine Shop: R. P. Hanson, $5.

Dept. 255, Tubing & Cable: R. J. Derocher, $100 (partial payment); H. R. Dewhurst, $5; H. R. Dewhurst and K. M. Harvey, $5.75 each.

Dept. 258, Proofing Mock-Up: R. H. Bertram (two awards), $18 and $31.25.

Dept. 300, Field Operations: R. R. Aiken, $47.75; W. W. Wetzell, $10.

Dept. 406, Plaster Pattern Shop: R. G. Lair, $10.

Dept. 522, Manufacturing Control: W. J. Crover, $15; J. P. James, $5.

Dept. 528, Inspection: L. W. Davis and S. A. Reeve, $7 each; J. L. Foster, $21.25; A. W. Smith, $10.

Dept. 603, Tool Manufacturing: R. D. Nowka, $5; D. E. Tarleton, $10.

POMONA

Employee Suggestion awards for the period ending June 29 totaled $687. They were:

Dept. 6, R. A. Buckner, $10; Alfred G. Thunell, $21.

Dept. 13, F. McGaughran, $26.50.

Dept. 24, Pauline H. Walker, $20.

Dept. 25, R. M. Lewis, $10; Delores B. Wilson. $34.

Dept. 27, Jack Brewer, $10; H. V. Newman, $20.

Dept. 31, J. G. Smith, $15.

Dept. 42, E. B. Norling, $10.

Dept. 51, J. L. Ellington and J. M. Mowell, $36; H. Huhn, $12; L. A. Perfumo, $39.50.

Dept. 52, M. L. Gedemer, $10; Cora J. Gordon, $90; W. V. Mouse Jr., $20.

Dept. 61, C. H. Brown, $10; G. Kosky (2 awards), $40.

Dept. 62, R. E. West, $10.

Dept. 63, C. R. Mitchell, $27; A. T. Pizzuto, $160 (final payment).

Dept. 72, T. P. Lu Visi, $12; Ethel S. Morris, $17.50; H. A. Sweaney, $14.50.

* * *

Cost Improvement proposals for the same period were:

Dept. 6, W. M. Haas.
Dept. 22, R. D. Liles.
Dept. 24, C. Timens.
Dept. 27, R. E. Bruce.
Dept. 51, W. H. Dovette.
Dept. 53, A. L. Marker (2 awards).
Dept. 62, R. A. Williams.
Dept. 72, R. E. Salyer.
Dept. 73, J. L. McCurdy.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective June 13:

Dept. 6, Engineering: To asst. chief electronics engineer, E. T. Clare. To design group engineer, A. H. Kuriloff. To chief of preliminary design, A. R. Lambert. To wind tunnel manager, W. T. MacCarthy. To dynamics group engineer, L. A. Payne, Y. Weisman.

To foreman, W. S. Childs. To asst. foreman, W. J. Butts, A. P. Frink, H. R. Kressel, E. T. MacKenzie, A. B. Mandeville, H. A. Stutzman. to m/c asst. foreman, W. B. Lanyon.

Dept. 203, Welding: To asst. foreman, K. W. Richey.

Dept. 215, Machine Shop: To asst. foreman, A. Becker, C. M. Vaughn.

POMONA

Dept. 72, Test Equipment Maintenance: To asst. foreman, H. W. McLaughlin.

Personals

SAN DIEGO

We wish to express our sincere thanks to employees of Dept. 522, 215, 524 and 528, for their generous remembrances and prayers during the illness of our daughter, Toni Diane. We are greatly encouraged by her continued progress.

Frank and Pat Sabatka, Dept. 522-1

* * *

Our grateful appreciation to the many Convair friends who sent cards and offered words of sympathy at the recent death of our father, Charles C. Harper.

Mr. and Mrs. Charles C. Harper, Jr. Dept. 8

* * *

POMONA

I'd like to take this chance to thank all my friends at Convair Pomona for their cards, flowers and gifts during my stay at the hospital. They were all very much appreciated.

Louise Rainsberry, Dept. 6

SD's Dept. 235 Leads In Cost Reduction

Dept. 235 (tubing and cable) took over the top spot in the continuing cost reduction contest at Convair SD during May.

Second place went to Dept. 203 (welding-heat treat), while Dept. 205 (metal forming-drop hammer) placed third.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (if no answer, call 6278). Staff: James Combs, Jr., Elizabeth McCuistion.

340s Leave For Arabia

(Continued from Page 1)

probably set some sort of commercial record since only slightly more than two and one-half months elapsed between the signing of the purchase agreement and delivery of the last airplane.

The feat was possible in part by the cooperation of the U.S. Department of State and the U.S. Air Force. The twin-engine transports were originally destined for the Air Force as C-131Ds but were modified by Convair to the standard 44-passenger configuration after the purchase agreement was signed.

Meanwhile, work on a new series of commercial transports, designated as model 340-B, was progressing on schedule with parts for the first airplanes moving through fabrication and subassembly departments. Mating of the first ship is due in September with delivery scheduled for February.

Continental Air Lines will get the first ship, followed by REAL S/A Transportes Aereos of Brazil and the U.S. Air Force.

Hopkins is Speaker For Georgia Tech.

John Jay Hopkins, chairman and president of General Dynamics Corporation, gave the commencement address this month for graduates of Georgia Institute of Technology at Atlanta, Ga.

Advocating a program of nuclear industrial power for Asia (**Convairiety,** June 15) which he developed during a recent visit to Japan, Hopkins said: "If a measure of atomic relief is not forthcoming, either anarchy, revolution or complete social chaos will descend on all of the new nations of Free Asia, or they will accept the promises of the Soviet Union and once behind the Iron Curtain they will never return I fear, short of world conflict."

Instructors Sought For F-102 Classes

Training section at Convair SD is seeking four qualified instructors to teach special courses on the F-102.

One instructor with experience as a mechanic in instrumentation of aircraft for test data collection and checkout of standard aircraft instruments is needed. Another instructor with broad experience in operation and trouble shooting of aircraft electrical systems is sought as well as two instructors experienced in operation and trouble shooting of general (mechanical) aircraft systems are also sought.

Applications for interviews are available at training section, Building. 14, Plant 1, and Building 4, Plant 2.

Ben Howard Among Americans Honored

Ben O. Howard, aviation consultant to Convair Division of General Dynamics Corporation, was one of four Americans honored last week by the Federation Aeronautique International.

Howard received the Paul Tissandier Diploma for "outstanding contributions to the progress and development of United States aviation," at the June 23 ceremonies held in Paris.

Other Americans honored included Capt. Ralph S. Barnaby, USN, retired, of the Franklin Institute; E. H. Heinemann, chief engineer of Douglas Aircraft Co., Santa Monica; and J. H. Kindelberger, chairman of the board of North American Aviation, Inc.

HASS APPOINTED DIRECTOR OF NACA

W. W. Hass, manager of timekeeping and payroll at Convair SD, was recently named a director of the National Association of Cost Accountants. Hass will take over his new duties at the group's September meeting.

CONVAIR AT TEST CENTER—More and more, Convair is claiming small "colonies" located far from home base. Photos above were taken at Naval Ordnance Test Station, China Lake, Calif., where some seven Pomona families are assigned as well as a number of "bachelors." At top left are Mike Ross, group engineer; C. G. Sindelar, field representative, and Joan Raber (only woman on Convair staff at NOTS). Top right shows Capt. R. F. Sellars, USN, executive officer of NOTS, with Ross, R. W. Wollenweber, E. C. Powers, and Sindelar. Community spirit is strong at NOTS and there are frequent home parties (left center) and at noon the Officers' Club pool is an attraction (center, below). Home activities include cards and hobbies such as model building.

Convair Testing at China Lake Began With Lark, Continues With Terrier

Convair is rapidly gaining the status of a "senior citizen" at the U. S. Naval Ordnance Test Station at China Lake, Calif.

Since 1947 Convair has been conducting and assisting with guided missile testing and evaluation programs at the station. First it was Convair San Diego with the Lark. More recently—and currently—it has been Convair Pomona with the Terrier.

At present all Convair activities are coordinated through Convair Pomona engineering department's field operations office, located in the Michelson Laboratory, the station's central research center. The company also has another office in the actual testing area.

"Our coordination also extends to phases of evaluation programs currently being conducted by the U. S. Navy, the U. S. Marine Corps and the U. S. Army," M. S. Roberts, engineer in charge of field operations, said.

"Many different kinds of talent are required to support these programs, and consequently our staff at NOTS is drawn from many functions in engineering and other departments. The number of 'on station' personnel fluctuates between 15 and 40."

Mike Ross, flight test group engineer, is in overall charge of the Convair group at NOTS and is responsible for all Convair testing. C. G. Sindelar is the resident field service engineer at present, and is responsible for functions related to the assistance and coordination of Convair activities in the Navy Bureau of Ordnance evaluation program.

Joan Raber has the distinction of being the only woman on the Convair staff. Incidentally, she was recently married to Jack Raber, a Convair engineer at NOTS.

The Convair working day begins at 7 a.m., and, with an hour for lunch, ends at 4 p.m. First event of the day is the "7:10 meeting," a briefing on the day's activities, etc., usually presided over by Mike Ross. It is attended by all Convair people on the station.

NOTS is located in the Indian Wells Valley in the northern part of the Mojave Desert, approximately 140 miles northwest of Pomona. Just outside the main gate of the station is Ridgecrest, a busy town of approximately 5,000. Mountain ranges surround the entire valley.

In the summer the temperature frequently soars to well over 100 degrees, and windstorms are frequent. A visitor's first impression of the area is not apt to be favorable—until he meets and talks to the people who work there.

Then, if he keeps an open mind, he will usually find himself becoming adapted to the life there in an amazingly short time.

Mike Ross, incidentally, is a one-man chamber of commerce for the area. He has been there for eight years and says he wouldn't want to live elsewhere. A brief tour of the area with Ross, accompanied by a running commentary, is usually enough to convince the most unbelieving.

Lunch and a swim at the Officers Club is a daily routine in the summer for many Convair people on the base. The club is also the center of many social activities and there are many private parties and opportunities for recreation both on the station and off.

The station offers a theater, bowling alley, a nine-hole golf course and a driving range, and many sports and hobby clubs. Many of these facilities are dup-

(Continued on Page 8)

Plant Layout Problems Solved in Miniature by Using a Modern 'Lilliput'

Modern day "Gullivers" working in a "Lilliputian" world are helping solve F-102 production layout problems long before they occur at Convair San Diego's Plant 2.

Industrial engineers are the "Gullivers" and their "Lilliput" is a scale model layout of major assembly areas (Buildings 2 and 3) at Plant 2.

Open at the top, the one-eighth scale model includes miniatures of all machines and fixtures used in F-102 production. Even overhead cranes are made to cover only their normal range in various parts of each building.

And everything is visible in that all important third dimension!

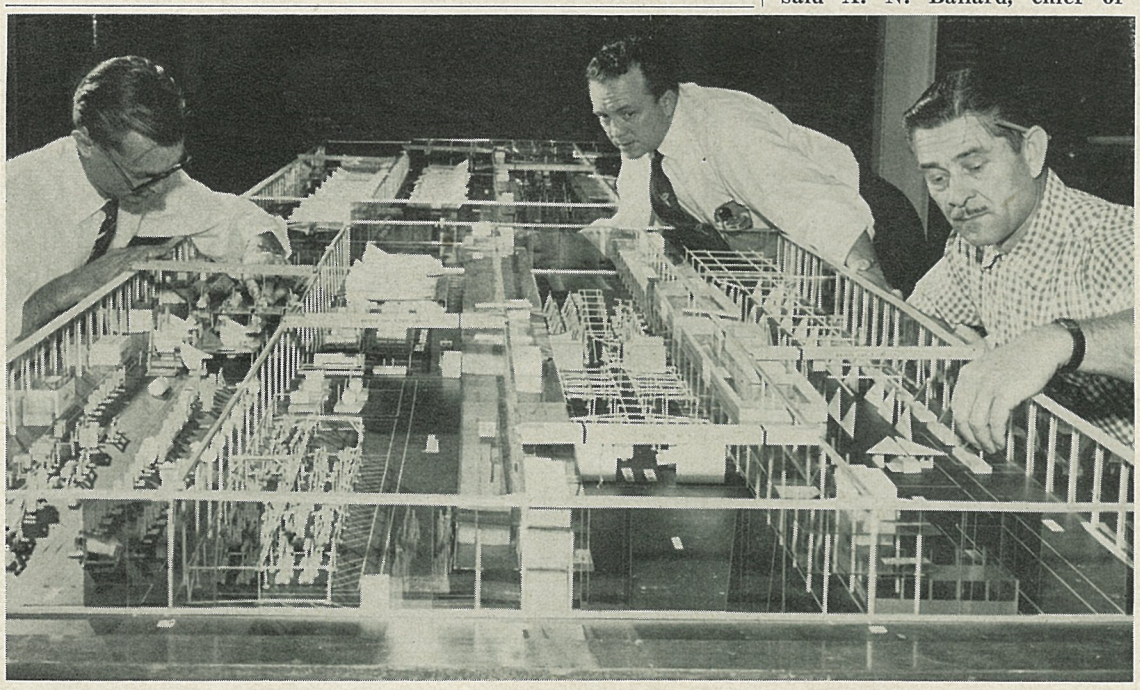
"This added dimension helps us eliminate many 'bugs' which hide in drawings or blueprints," said A. N. Ballard, chief of manufacturing planning and methods at Plant 2. "Too, the ease with which the layout can be rearranged helps us to experiment until we find the right answer to any problem."

Under construction for about three months, the layout is a combined effort of industrial engineers who designed it, plant engineering's wood shop which made a number of the fixtures, the model shop that turned out plastic models and various factory and tooling departments who helped in a number of ways.

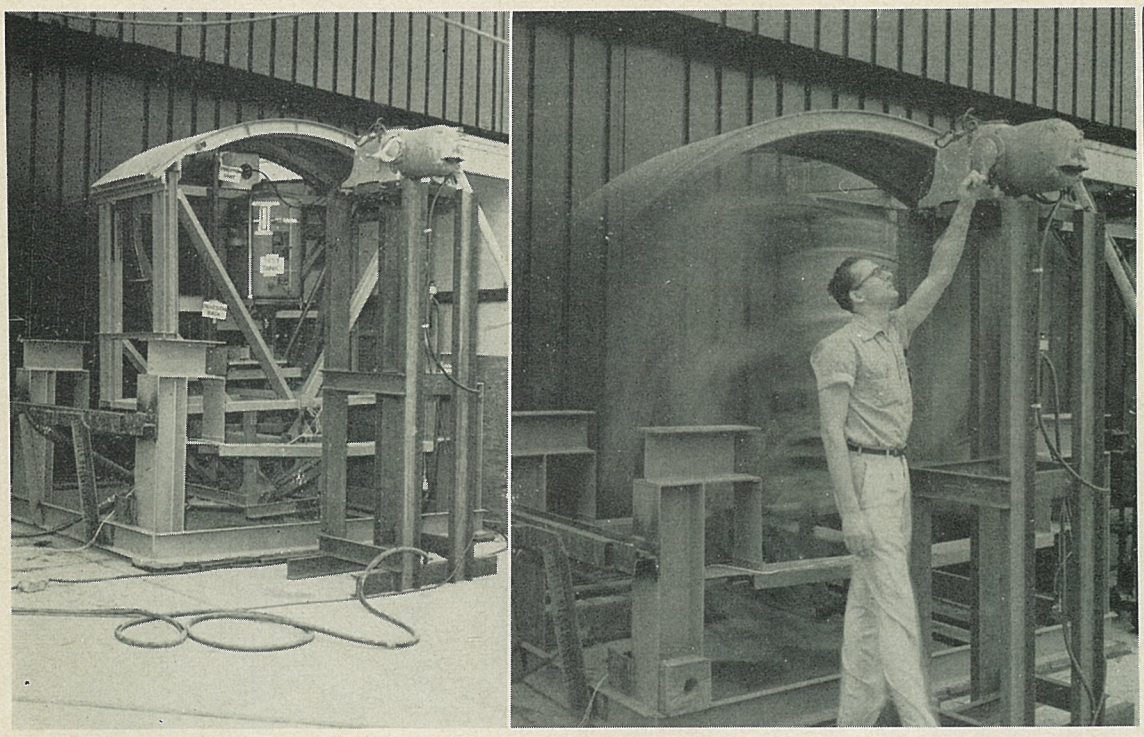
Practically everything in the layout came from scrap materials. It is mounted on two discarded blackboards, the upper floors and doors are made of tinted plastic sheet, the pipes and tubing of medical swab sticks, the offices and rest rooms of wooden blocks, the tool cribs of screen wire and the cranes and building supports of aluminum.

Ballard listed the layout's advantages over conventional drawings. Included were: more accurate planning since any change that can be accomplished on the model will obviously work in the shop; improving perspective by working out clearances of obstacles and projections on machinery; determining utilization of floor space and the best possible way of directing the flow of parts and materials within each area or department; and providing an accurate means of briefing.

"We feel the layout has been a tremendous help and will be even more important in any future planning or changes brought about by the modern complexity of aircraft manufacturing," Ballard added.



CHESS GAME—Figuring out plant layout for F-102 at San Diego are R. A. McClernan, C. M. Coole and A. W. Pisarchik, all Dept. 8. Carefully contrived model is duplicate of conditions faced at Plant 2 SD.



RUB-A-DUB—FW's engineering test lab demonstrates how GRB-36 hydraulic reservoir gets a going over to spot any weakness. At rest in photo at left, picture at right shows rig in motion after Bob Adel has thrown the switch.

'Shake, Rattle and Roll' of Flight Simulated With Test Rigs at FW

Jive-happy teenagers across the country are dancing to a fast number called "Shake, Rattle and Roll."

The same words—shake, rattle and roll—have a definite—but different—meaning in Convair Fort Worth's engineering test lab. At FW it's known as vibration, one of the problems that must be considered in the building of any airplane because of the constant shake and motion in flight.

One of the more important "shake and roll" tests is on the main hydraulic reservoir for the GRB-36. It's done with a tank mounted in a huge framework that rocks and rolls about 18 times a minute—as it might on a rough flight.

As the tank rocks it also is shaken up and down about one-sixteenth of an inch 2,000 times a minute.

Since the tank is almost full of a red liquid, any cracks that might develop during the 25-hour testing period are easily noticed as the bright liquid leaks out.

Testing finished, the tank is removed, cut open and carefully examined for interior breaks.

"If a tank can withstand a concentrated test like this," said Dr. N. H. Simpson, chief of engineering test laboratories, "we feel sure it can take the constant vibration of high speed aircraft."

This same type of vibration is used to determine the best type of fastener that might be used in production and test lab employees now are experimenting with a bolt that needs no nut. Plans are to use it for structural panels on the wing of the B-58.

Plant Engineering At SD Ties up Lead In Safety Contest

Plant engineering for the first time this year broke into the winner's circle in the continuing safety contest at Convair SD during May, tying with three other functions for top honors.

Supt. J. W. Vint and his plant engineering groups from both plants worked 200,190 manhours without an injury.

Also posting perfect records were tool manufacturing departments (401, 403, 406, 407) under Supt. R. S. Watt; 340 final and major departments (37, 52, 55, 56) under Supt. J. F. Glenn and T-29 final (35) under Gen. Foreman C. F. Uhl.

Convair Daughter, 4, Killed in Collision

Vickie Lynn Cox, four-year-old daughter of Gilbert L. Cox of Convair Fort Worth, was fatally injured June 17 in a truck-automobile collision.

Also seriously injured was Cox's wife, driver of the car at the time.

Cox was on his way to Fort Worth from Alamogordo, N. M., where the material department employee was working on a classified project. He had no knowledge of the accident until he arrived in Fort Worth.

The Cox family was in Fort Worth visiting with Mrs. Cox's family.

"Sleep! Sleep! Sleep! Is that all you fellows ever do?"

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

* * *

J. V. Naish named Convair vice president—contracts.

* * *

Queen Juliana and Prince Bernhard of the Netherlands choose KLM Convair-Liner for official visit to France by air.

* * *

Convair FW gets latest type Link trainer for pilot training.

* * *

Dale Marks of Convair SD sets new yellowtail record with 50-pound, three-ounce catch.

* * *

More than 400 attend annual picnic held by Convair Daingerfield.

* * *

"Gondolas" utilized in hauling B-36 parts via rail between Convair FW and SD.

* * *

Wing tanks installed on Convair-Liners bought by Indonesian Airlines to increase transport's range.

* * *

B. G. Reed named superintendent of maintenance at Convair FW.

SD Gets a Glimpse at Pearce Arrow Of 1931, Original Mileage: 40,000

(For picture, see page 5)

Ralph McQuoid, RCA field representative, last week drove a 1931 Pearce Arrow into Convair SD's Plant 1 and caused a mild commotion.

To the younger generation it was a curiosity. To the middle-aged it was nostalgic. Remember 1931? Hoover was president; Knute Rockne died that year; the national debt was a mere 16.5 billion; the entire Army Air Corps numbered no more than 14,485!

The Pearce Arrow showed its age far less than did some of the spectators. It's much the same as when it came off the production line, save for two new tires (7.50s at $50 apiece!), a new battery and new rings and valves (standard Chevrolet).

McQuoid bought the car on the east coast in 1952 from the estate of an elderly couple. It had been driven 27,000 miles and stored. He has since added 13,000 so the speedometer now reads little more than 40,000, original mileage.

Chauffeurs were popular when the Pearce was built and the upholstery is arranged accordingly, leather in front and rich woolen fabric in back. The rear windows all have curtains that can be rolled down! Also there are a number of fancy gadgets, such as two vanities with lighted mirrors and accessories.

McQuoid drove the car across country, averaging 10 miles per gallon.

Fix-a-Toy Project Gets an Early Start at FW With Gift of Playthings For Xmas Project

(For picture, see page 5)

Convair Fort Worth's Fix-a-Toy program got an early start this month.

Three large boxes of toys were donated to the Convair FW Management Club's annual Fix-a-Toy program by The Fair in Fort Worth.

Though many of the toys were broken, they will be put in first-class condition to be given to needy children at Christmas time.

Actual work—repairing and repainting toys—is not expected to get under way until late this fall.

The Fix-a-Toy idea was originated in 1953 by Guy Nesbitt of sanitation. Last year FW Management Club sponsored the project. Club members and Convair Fort Worth employees worked 4,000 hours repairing toys that were delivered to more than 3,000 needy children in Fort Worth.

Hamer Installed as SD Post Commander

Two Convair SD men will be installed as officers of San Diego Post 6, American Legion, at the group's Aug. 4 installation ceremonies.

E. A. Hamer (Dept. 10) is the new Post commander, while Dale Pohling (Dept. 524) becomes second vice commander.

Dangerous Game

'Hi-Fi' Expert Warns: Don't Listen Unless Willing to be Trapped!

Convair Pomona's Martin V. Kiebert has advice for those who enjoy good recorded music: never listen to a "high fidelity" reproduction system unless prepared to pay the price.

"The odds are high that anyone with a discerning ear will never again be satisfied with a conventional record player, once he has been exposed to 'hi fi,'" Kiebert said. "The price will usually be a 'hi fi' system of his own, if and when he can afford it. And, there is hope for even the most budget minded in this respect.

"Unless a person has an exceptionally critical ear, the cost of 'hi fi' need not be prohibitive," he continued. "A workable system can be built from pre-assembled components for as little as $135, and this cost can be cut down even more if the person buys kits or parts and assembles them himself.

"But on the other hand, if the listener is a perfectionist he can spend hundreds of dollars and perhaps never be completely satisfied with his installation. The cost is entirely up to the individual."

Kiebert is currently assisting with the organization of a "hi fi" club at Convair Pomona. Membership is open to all employees interested in better reproduction of recorded music. Members will exchange information and assist each other in building "hi fi" systems. There are no requirements or restrictions for membership, but elementary knowledge of electronics and the ability to follow simple radio circuits will be helpful.

Next meeting of the club will be at 8 p.m. July 8 at the Pomona CRA Clubhouse.

High fidelity, as the name implies, is an electronics system that faithfully reproduces recorded—or broadcast—matter.

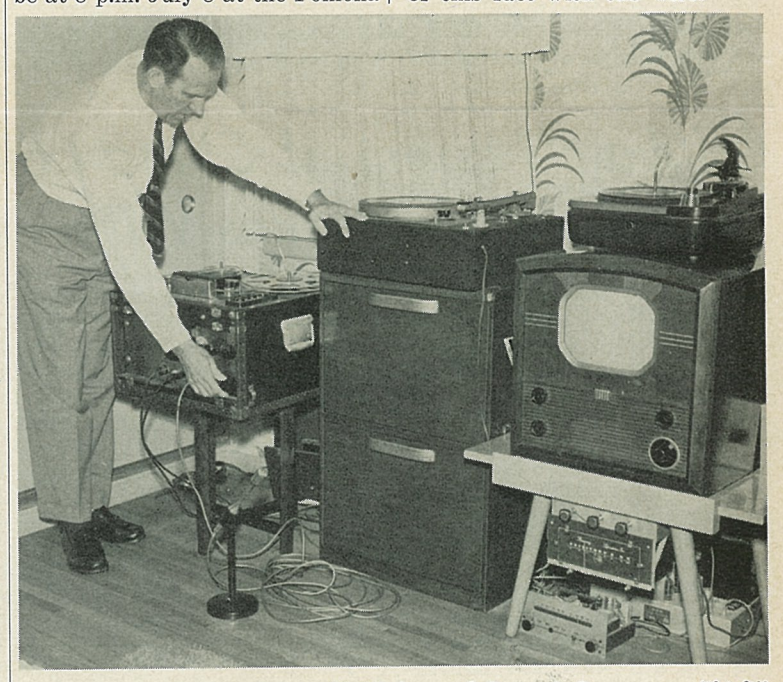
"Listening to good 'hi fi' is about the closest approach to sitting tenth row center at a musical event," Kiebert said.

This is usually accomplished by the use of a larger and better-design speaker system, the use of a record turntable or tape recorder with a more constant speed, and the selection of other components with more adequate circuits.

Kiebert, who is assistant to the chief engineer — technical at Pomoma, first became interested in "hi fi" while working as a technician and organist for a Portland, Ore., radio station in 1931. As a musician he wasn't satisfied with the available methods of music reproduction, and as an engineer he set out to do something about the problem. He has been interested in the subject both professionally and as a hobby ever since.

About a dozen articles on various phases of "hi fi," written by Kiebert, have been published, and he is responsible for many developments and improvements in circuits, etc. He designed and directed construction of the first high fidelity broadcasting station in the Pacific Northwest (KIRO, Seattle).

Kiebert also has a word of warning to prospective "hi fi" enthusiasts. Hi fi at its best is necessarily louder than conventional systems, and it is wise, in the case of the married fan, to have a clear understanding of this fact with the wife.



MUSIC MAKER—Martin V. Kiebert of Convair Pomona, a "hi-fi" pioneer, adjusts his music reproduction system that is the next best thing to "10th row center."

'Sewing With Staples' Adds Greater Resistance To Firewall Curtains Produced at FW

(For picture, see page 5)

A stitch in time will save a lot more than nine—if the stitch is a staple.

That's the thinking now at Convair Fort Worth when it comes to making aircraft firewall curtains doubly safe.

New machines put into operation recently in the finishing department actually stitch staples instead of regular sewing machine-type stitches.

"The machines have a very definite purpose," said George Allen of finishing department. "They provide a sort of fire insurance for firewall curtains.

"If a fire breaks out, fabric stitches last but a minute. But the fire would have to be plenty hot to melt steel. By stitching these curtains with staples, we make them as fire proof as we can."

The machines operate like an ordinary sewing machine with one exception. They have no bobbin.

Operators feed the stainless steel curtains under the presser foot. In the meantime, a stainless steel wire is going through other mechanism above the presser foot.

The wire is cut to the proper length, embedded in the material and the ends turned down so the stitch locks like a staple—all automatically.

The stitchers were designed for Convair Fort Worth for work on SAM-SAC B-36 work, and on special development projects now under way.

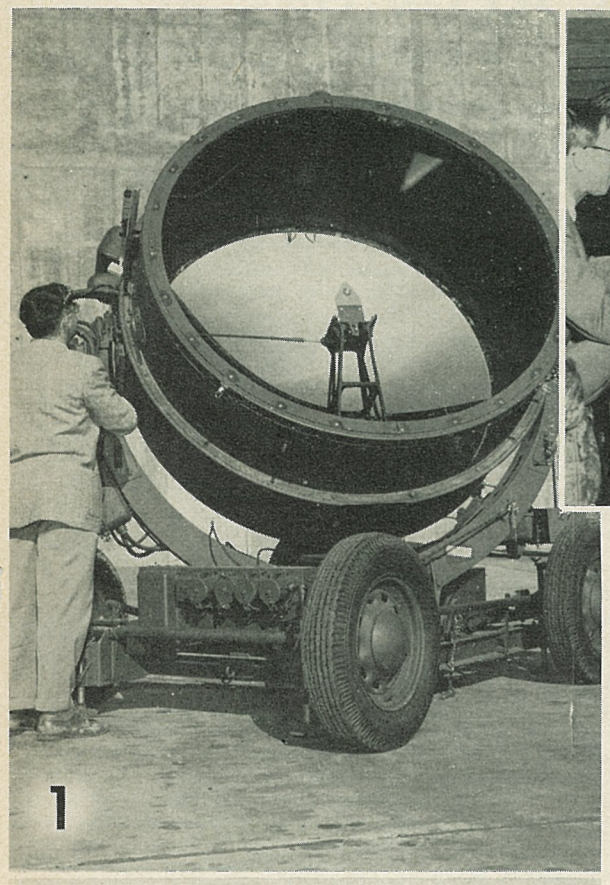
Convair Vacationers Injured in Collision

Vacation plans for the family of L. H. "Chick" Allen, tooling department foreman at Convair Fort Worth, ended in near tragedy in Alabama this month.

The Allen family car collided with another near Selma on June 11.

Most seriously injured was Mrs. Allen. She suffered severe face injuries and a broken arm. Plastic surgery will be required. Stan, their son, suffered a brain concussion and Ann, 15, minor bruises. Allen had lacerations and bruises.

Convair's Cameras Hit News Highlights From Tokyo to Fort Worth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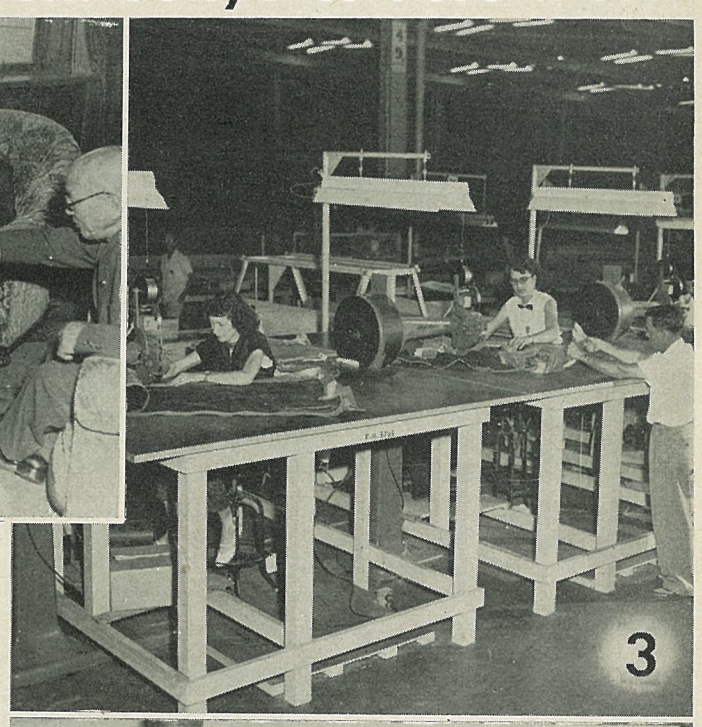
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(1) Converted war surplus anti-aircraft searchlight makes solar furnace at Convair SD! The 60-inch mirror is faced to sun and high temperatures thus generated are used in testing materials for aircraft and missiles.

(2) During recent trip to Japan, John Jay Hopkins, chairman and president of General Dynamics Corporation, was guest of prime minister. Left to right: Lawrence R. Hafstad, Dr. Ernest O. Lawrence, Vernon M. Welsh, Hopkins, Frank Matsumato (deputy secretary of Japanese cabinet), Prime Minister Hatoyama, Matsutaro Shoriki. Object was to explain possibilities of atomic power for industrial uses.

(3) These Dept. 74 people at Fort Worth are sewing with steel. New machines stitch staples into fire barrier curtains. Left to right, Helen Murray, Jeraldine Cuttrell, Alma Chamberlain, Opal Haggard and "Pat" Patterson, assistant foreman. Tables are high (49 inches) for efficiency. Story on page 4.

(4) Curious admire 1931 Pearce-Arrow at SD. At right is owner, Ralph McQuoid. Story on page 4.

(5) SD Management Club at SD got a lift from these Bldg. 2, Plant 2 girls this month who added feminine touch to raffle ticket sales. Left to right: Lou White, Cecile Carter, Hazel Herring, Catherine Law, Bette Rew, Berniece Isom, Delpha Hesslebarth.

(6) These three AF pilots have logged more than 100 hours in Convair's YC-131C turboprop. Left to right, Capt. James M. Rives, Maj. Lyle D. Crawford, Maj. William R. Stanton.—AF photo. Story on page 8.

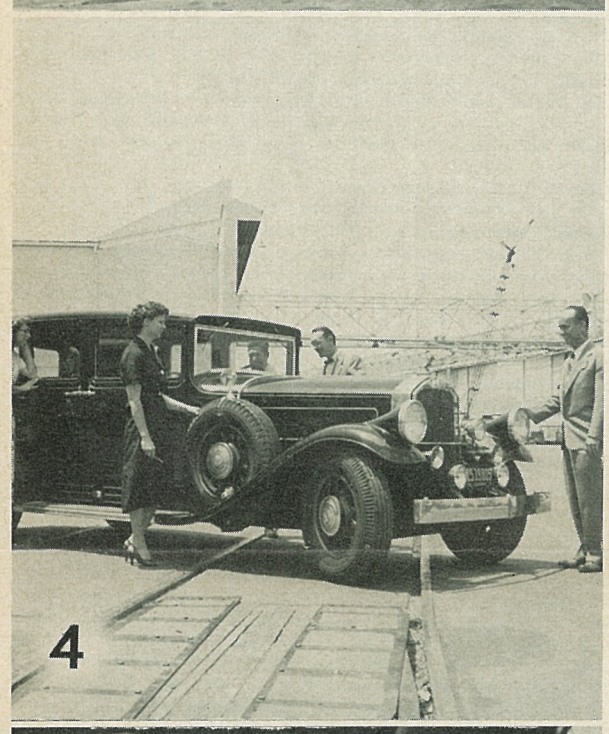
(7) Mating of last T-29 at SD was occasion for informal lunchtime parties recently. This was day shift scene.

(8) SD Manager B. F. Coggan congratulates graduating apprentices. Left to right: Coggan, Terence S. Hornidge, tool & die & jig builder; Robert G. Clayton, aircraft machinist; D. W. Engebretson, aircraft electrical.

(9) Christmas got an early start last week at Fort Worth where a load of toys arrived for Management Club's Fix-a-Toy program. Sue Ballard of contracts inspects a parasol. Toys were donated by The Fair stores.

(10) Another T-29 mating scene, this time on night shift.

(11) In Dept. 35 SD, L. A. Goblado, left, owes profound thanks to R. Geck, safety committeeman. Goblado was using snake extension on drill and had momentarily taken off his safety goggles. Geck reminded him; and two minutes later drill broke, cracking lens! Goblado escaped injury.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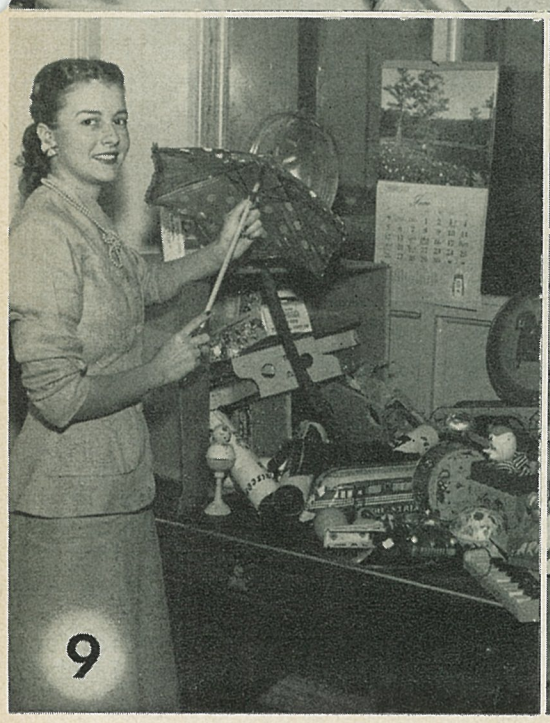
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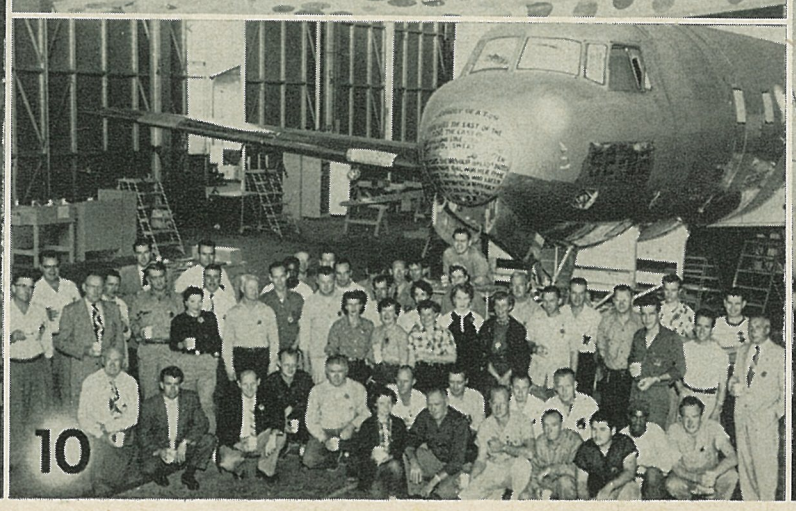
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CEREMONY—Three veteran Navy men received service pins at San Diego recently from Capt. F. K. Slason, USN, left, BuAer representative. Left to right: Slason, Frank E. Urban, inspection (30 years); William R. Branson, contracts (20 years); Francis V. Christy, inspection (30 years).

Oliver a Repeater in Pistol Club Events

One of the largest crowds of the year was on hand June 12 when the Convair SD Pistol Club held its regular shoot at the Police Pistol Range.

J. R. Oliver won the master class, Bill Dittmann the expert class, Dale Young the sharpshooter class and Virginia Sheppherd the marksman class in the .22 Police course event.

Oliver repeated as winner in the .45 short national match with Tom Little taking second and Jim Halfacre third.

Red Sox, Yankees Win in Little Loop

The Red Sox and Yanks moved to the front in Little League action at Convair SD during the opening round of play, the Sox topping the Dodgers by a 2-1 count and the Yanks beating the Cards by a 7-1 count.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays, 6 p.m., Kearney Mesa.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative, AT 1-4612 after 10 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., beginning ballroom; 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m. junior high teen-agers; 9 to 10, beginning all Latin.

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners. Summer league schedule: 6:30 p.m., Tuesdays and Wednesdays, Pacific Recreation; Thursdays, Victory Lanes; Fridays, Tower Bowl. Scratch Trio, 1:30 a.m., Wednesdays at Pacific Recreation for swing shift.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Monadys, each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals discontinued until fall.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Next meeting July 13, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2 (second shift), commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Special instruction restricted to Convair employees and their immediate families at Sonald Ice Skating Studio, 3464 Midway Drive. For further information call AC 2-4467 or visit studio.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free movies at CRA Clubhouse discontinued until fall. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (June 30) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturdays, beginners, 9 a.m. to 1 p.m.; intermediate 1 to 2 p.m.; advanced 2 to 3 p.m., Palomar Stables. Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 507, Plant 2; (second shift), Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT 4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. Persons interested in club should contact Membership Chairman, Tom Simpson, HU 8-5923, after 4 p.m.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner. Meetings discontinued until fall.

SWIMMING—Convair swim night for employees and their families, Saturday, July 9, Mission Beach Plunge, 7 to 9:30 p.m. Tickets available at employee services, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Team match with Pomona players, July 16-17.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Interior decorating class, Tuesday, July 5, 8 p.m., House of Hospitality. All Convair women, wives and their guests are invited.

SD Astronomers 'Grind Their Own' Telescope Lens

By fall, members of Convair SD's amateur astronomy club expect to have two large telescopes available for searching the heavens.

"Every meeting night we devote some time to grinding the mirrors," Keith Sears, CRA commissioner, explained. "We are working on one four-inch and one six-inch mirror and plan to install them in portable type telescopes that members can borrow for use at home."

The group meets the first and third Fridays of each month at the radio shack at the Convair ramp. Next meeting will be July 1. Between 20 and 25 attend regularly and there are several families that participate. Frequently members bring their own equipment for the star-gazing part of the program. At a recent session there was a four-inch reflector owned by George Freeman and a six-inch refractor supplied by Bill Weber of the Bill Jack Scientific Instrument Co.

"We usually have a talk during the evening, such as the one by our chairman, Don Carr of Dept. 6, who gave an illustrated lecture recently on cosmology (the makeup of the universe) during which he showed slides made with the Palomar telescope," Sears added.

SD Netmen to Host Pomona Delegation

Tennis players at Convair SD will play host to a group of netmen from Convair Pomona either July 16 or 17, Commissioner Chet Dutton said this week.

"We will set the exact time and date just as soon as we know how many players will come down from Pomona," Dutton said.

CLUB HONORS—At left above, Duke Rogers presents SD Management Club's Mug o' the Month for June to Harry Rote; while at right are MacSave-it award winners for April and May, S. E. (Earl) Cobbs of Dept. 4-5 and R. H. (Buck) Johnson of Dept. 14-4.

★ ★ Rivets ★ ★

We received this letter recently from **Mrs. B. E. Parker:**

"My husband is a Convair man but doesn't weigh enough to donate blood to the blood bank.

"However, I am able to give and will donate to the Convair credit in my husband's stead."

That is about as fine an offer as we have heard in many a day.

* * *

When the XFY-1 (or Pogo, as you please) was warming up before a flight from Lindbergh Field a couple of weeks ago, a plane full of American Airlines passengers got a close-up look hitherto denied all but a privileged few.

Evidently the AA pilot had a few minutes before clearance to take-off, so he halted his plane near the Pogo and gawked while the passengers did the same.

* * *

Convair isn't the only one with bird trouble.*

An item in Electric Boat's paper **The 'Scope** describes how one **Joe Buscetto,** an erector at the submarine firm, had lunched outside and was about to light a cigar when a seagull snatched it out of his mouth and flew away!

*** It's the pigeon plague at Plant 2. Maintenance asks that lunchers refrain from feeding the birds in hopes that they'll go elsewhere. The birds, that is.**

* * *

Bud Hammack of Dept. 70 at Plant 2 (a Convair man since 1936, incidentally) passes on a tip that he received from the police department—the hard way.

Hammack drove out of Plant 2's supervisory parking lot onto Pacific Highway recently and was halted by a patrol car. The officer warned him against driving onto a highway from private property without first making a full stop, even though there may be no stop sign.

* * *

Bill Sloan of accounting at SD was playing golf recently with a Convair Pomona friend, **Ed Harlan,** at Los Serranos CC near Pomona when he fired his first hole-in-one. The blow fell on the 16th and he was so overcome by prosperity that he boomed a couple out of bounds on the next holes and wound up with a 101!

"Just give me birdies from now on. Aces are too rich for my blood," he said.

* * *

Sam Shannon was reminiscing the other day about training flying students in China. (That was back in 1932-1935 when he was air instructor and adviser to the National Central Government of China.)

For some reason the local citizenry directed their ire at him and complained about airplane motors keeping them awake. at night. One letter advised:

"Why don't your pilots do as the flyers do in other countries? When they approach a city they turn off their motors until they are past. . . . "

YMCA SUMMER PROGRAM STARTING SOON AT SD

Enrollments are being taken now for the Downtown YMCA's 12-week summer activity program at San Diego for boys between 8 and 16. The program includes swimming lessons, gym, crafts, games, two days a week and a third full day for a trip.

Movie Calendar

Free CRA movies at CRA Clubhouse at San Diego discontinued until fall.

Bargain-rate movies each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, July 5: INVADERS FROM MARS and KILLERS FROM SPACE.

Tuesday, July 12: TORCH SONG, Joan Crawford, Michael Wilding. SILVER LODE, John Payne, Lizabeth Scott.

Bill Pardy Low For 'Best Nine'

Bill Pardy (Dept. 8) fashioned a 74 to win low gross honors among Convair SD golfers taking part in a best nine sweepstakes event held June 18-19 at Agua Caliente.

R. E. Leadon won low net honors in the 0-12 handicap group with a 64, while Larry Krause and John Meller finished second and third.

Bill Jayne's 78 won gross honors in the 13-18 group with Russ Breese, R. Gregorich and C. Brightwell placing in that order for low net.

R. Wilkinson paced the 19-24 bracket with a gross 84. Kent Sinclair and Jack Thomas tied for net honors with John Sawicki finishing second.

O. Bell turned in a 94 for gross honors in the 25 and up bracket with Nell Meller, J. Dall and J. Hatz placing in that order in low net.

Sports

Final Plans Laid For Horse Show July 24

Final plans for the seventh annual Convair Riding Club Horse Show slated for July 24 at Palomar Stables will be mapped out in a special meeting of officers and committee heads at 7:30 p.m. tonight (June 29) at the Stables.

"Advance entries indicate we will have an outstanding field in all events this year," Marc Beresford, CRA commissioner and show manager, said this week.

Tennessee walking horses will be included in the show for the first time this year in both events for youngsters which start at 9 a.m. and those for adults which start at 1:30 p.m.

Juniors (17 years and under) will compete in 11 classes including both western and English events. Adults will compete in 10 classes.

Entries may be made by contacting Pat Duffy at CY 6-0683 after work hours or at ext. 313, Plant 2.

WATER FUN—New 16-foot Fiberglas boat build by SD Water Ski Club is tried out by Palmer Osborn, Ed Burch and Lloyd Curtis, who took lead in project. Powered by 40-hp Mercury, it will do better than 30 mph. Boat is being used to tow SD fans.

Water Ski Fans to Try Out New Speedboat on Bay This Weekend

Equipped with a new outboard motorboat for towing skiers, CRA water ski enthusiasts at Convair SD plan to launch their summer season this week-end at Mission Bay.

The 16-foot Fiberglas runabout was built by the water ski group during the past year and is powered by a 40 hp Mercury motor capable of towing two skiers at the same time. Plans call for accommodating as many beginners as possible during the Saturday and Sunday sessions which begin at noon.

"Qualified skiers will be on hand to help teach beginners and to tow experienced skiers," said Ed Burch, one of the leaders of the group. "However, we will have to charge each skier a nominal fee to help defray operating expenses of the boat."

The group will gather at noon on Saturday and Sunday in the channel east of Tierra Del Fuego, Mission Bay. To reach the location, turn right just beyond the first causeway on Midway Drive and drive east to the beach.

A DAY'S HAUL—Convair SD sons display fish they boated during day of sport fishing with dads.

45 Linksmen Sign For Golf Lessons

Forty-five golfers have signed up for CRA golf lessons. Classes will begin this week, CRA Commissioner Russ Osgood announced.

For a start, there will be four classes of 11 each, meeting Tuesdays, Wednesdays and Fridays in late afternoon or evening at Mission Valley Country Club driving range, with Pro Frank Rodia as instructor. Cost per class is $1. Others interested should call Osgood at ext. 1635, Plant 1.

10-Year-Old Catches Best Fish As 112 go to Sea on CRA Trip

Bill Wisdom, 10, son of Dept. 3's M. V. Wisdom, was the top angler among 112 Convair fathers and sons June 4 who put to sea aboard three different boats on CRA's annual father-son fishing trip.

Bill's catch was a 26-pound, 6-ounce bluefin tuna, largest of the 47 yellowtail and bluefin boated that day. He was fishing from the Kingfisher.

Best fish caught from the Del Mar was a 21-pound, 6-ounce bluefin brought to gaff by young Mike Stafford, whose father is Charles Stafford of Dept. 524. Aboard the Lady Angler, a 19-pound, 9-ounce fish caught by Eric Carpenter, son of S. Carpenter of Dept. 6 led the parade.

Prizes for the boys were sports fishing trips for themselves and guests.

In addition, 12 other Convair sons won merchandise prizes for fish ranging in size from 22 pounds to 16 pounds. Winners were: Neil Bennett, Steve Swank, Edward Clare, Don Smith, Dave Schaffer, Robert Wisdom, John Laudenslager, David Zamiska, Sam Sterns, Tom Boyle, Larry Bryson, John Brown.

The all-day trip was arranged by CRA Commissioner Dale Marks, assisted by Frank Kempter, Vince Cernuto, Bob King and others.

Young Bowmen Will Get Chance to Show Skill When Archers Stage 'Little Beaver' Shoot

Small fry will get a chance to show what they can do July 10 when the Convair SD archery group stages a "Little Beaver" shoot in conjunction with their regular field event at Gold Gulch, Balboa Park.

Youngsters will be grouped according to age with those up to nine in one bracket and those nine to 12 in another. Starting time for the shoot will be noon with registration slated for 11:30 a.m.

The regular adult event is scheduled for 9:30 a.m.

The archers have also decided to discontinue their Saturday morning instruction sessions until after the current hunting season, Commissioner Harry Bing said.

SURE SHOOTING—David and Gene Stone (sons of A. D. Stone of Dept. 24-1), Mike Phipps (son of W. A. Phipps of Dept. 401), and Carol Kline (daughter of G. D. Kline of Dept. 528) practice up for "Little Beaver" Shoot.

SD Hams Join in 24-Hour Exercise

Convair SD amateur radio operators took to the air at 4 p.m. June 25 for a 24-hour participation in the 19th annual field day exercises of the American Radio Relay League.

"The event was a demonstration of what amateur operators can do in setting up communications in time of emergencies," said Commissioner Jesse Baker.

Convair operators set up at Peik's airport near Mission Bay with a portable generator and equipment and worked throughout the day under the CRA call letters (K6DBS). Some 25 men and women took part in the 24-hour exercises.

ART ZAGON NEW RADIO PRESIDENT

Art Zagon (Dept. 6) this month was named president of the Convair SD Radio Club. Roy Ramirez was named vice president, Jim Grimsby, secretary, and John Catterall treasurer.

No Hit, No Run Game Hurled

Softball action at Convair SD settled down to a steady pace this week with both CRA teams in city action faring well and plant league teams registering some close games.

Convair's Liners in the Industrial League remain undefeated after pitcher Jim Blackwell hurled a no-hit, no-run game over Solar that ended 3-0. The victory gave the Liners three straight.

The Eagles in AAA competition lost a 2-1 game to the Sky Raiders in an extra inning and then bested Pernicanos by 3-2 in another extended game. Andersons bowed to the Eagles 1-0 and PIBS took the long end of a 3-0 game.

Dept. 110 downed Dept. 52 by 6-3 in opening National league play in the plant loop, while Dept. 603 beat Dept. 22 by 9-6, Dept. 8 copped a 14-2 victory over Ramp, Mockup whitwashed the Apprentices 17-0 and Dept. 4 won a 7-0 forfeit game from Dept. 11 in American league action.

SOFTBALL SCHEDULE

AMERICAN LEAGUE

Date	Time	Field	Teams
July 11	6:30	Cabrillo	8 vs App.
July 11	8:15	Cabrillo	603 vs Elec.
July 11	6:30	Convair	22 vs 11
July 11	8:15	Convair	Ramp vs 4
July 13	6:30	Convair	Wing & Tail vs Mockup

NATIONAL LEAGUE

July 1	6:30	Presidio	110 vs 70
July 1	8:15	Presidio	31 vs 55
July 1	6:30	Convair	558 vs 524
July 1	8:15	Convair	522 vs 406
July 13	8:15	Convair	70 vs 52

PRACTICE ROUND

(Games do not count in league standings)

July 6	6:30	Convair	55 vs 4
July 6	8:15	Convair	406 vs Ramp
July 8	6:30	Presidio	524 vs Mockup
July 8	8:15	Presidio	522 vs Wing & Tail
July 8	6:30	Convair	70 vs App.
July 8	8:15	Convair	52 vs 603

SD Team to Compete In AAU Diving Meet

Convair SD's Delta Divers will join skin divers representing 13 other clubs from San Diego and Imperial Counties July 10 in holding the semi-annual southwest regional AAU diving contest.

Scheduled for La Jolla Cove, the events get under way at 10 a.m. and continue for four hours with prizes going to the clubs beaching the largest catch in a number of brackets.

STAR GAZING—Members of thriving CRA astronomers' group at SD look away from telescopes for a peek at camera. Left to right: Al J. Kent, Peter Serniuk, Chairman Don Carr, John Dykstra, Seymour Gates, Keith A. Sears. Kneeling are: Don Carr, Jr., W. Weber, G. T. Freeman.

Share Owners Voting On Stromberg-Carlson Union With Dynamics

Merger of Stromberg-Carlson Company of Rochester, N.Y., into General Dynamics Corporation was being voted on by share owners this week, following approval about two months ago by directors of both companies.

In announcing the proposed union, John Jay Hopkins, chairman and president of General Dynamics, called it a major move by General Dynamics to broaden its base of operations in the electronic field.

In point of years, Stromberg-Carlson is junior in the General Dynamics group only to Electric Boat Division (started in 1880). Stromberg-Carlson was founded in 1894 by two Swedish immigrants who pooled $500 apiece and went into business in Chicago to manufacture a better telephone.

Now, more than 60 years later, Stromberg-Carlson is a leader in electronics and communications equipment with products ranging from complicated telephone switchboards and sound equipment for large concerns to radio and television sets and high fidelity record players.

These products were unheard of when Stromberg-Carlson got off to its start but they did well enough until 1902 when a Rochester, N. Y., group induced the founders to move to a new plant in that city. Both later returned to Chicago, however, Stromberg eventually giving his name and financing to another concern, a manufacturer of carburetors.

Meanwhile, Stromberg-Carlson grew, partly by acquisition of a large part of the American Electric Co. of Chicago in 1909 and in 1916 the telephone business of the Garford Manufacturing Co. of Elyria, Ohio. By World War I Stromberg-Carlson was a firm to be considered and played a role in national defense, supplying equipment for artillery spotting, field phones and camp switchboards in France.

It was over Stromberg-Carlson equipment that the world heard of developments at the Versailles peace conference.

(Many years later the same was true of the Nuremberg trials; and bluejackets of the USS Missouri heard via Stromberg-Carlson sound equipment an account of the Japanese surrender on their flagship's decks.)

Stromberg-Carlson brings a boost in the "feminine vote" to General Dynamics.

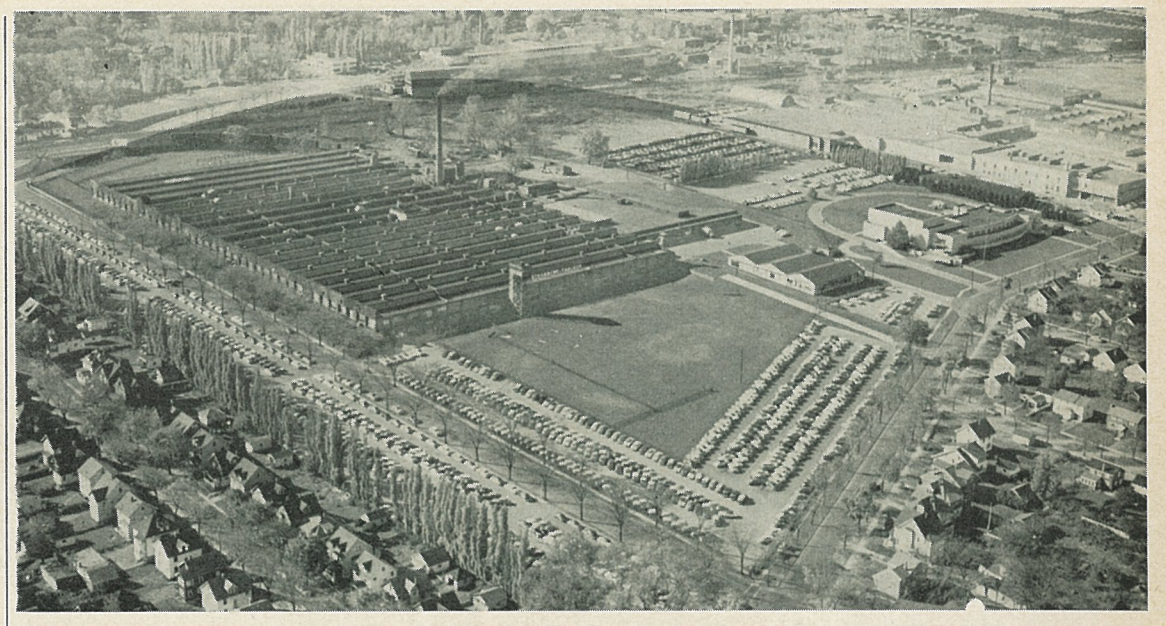
Of Stromberg-Carlson's approximately 5,200 employees, 49 per cent are women, while at Convair San Diego and Convair Pomona the feminine figure is 20 per cent and at Convair Fort Worth it is 10 per cent. At Canadair the figure is a trifle more than 9 per cent.

Until 1920 the company manufactured telephones and switchboards exclusively. But the appearance and growth of radio brought expansion into headsets and attendant items. In 1927 the first Stromberg-Carlson home radio went on the market and 12 years later the first television set.

In 1927 Stromberg-Carlson purchased the pioneer Rochester radio station, WHAM. It is now one of the nation's most powerful (50,000 watts). A sister station, WHFM, appeared in 1939 and in 1949 WHAM-TV brought that area its first television programs. The latter's studio is housed in Rochester Radio City, adjacent to the company's main plant.

Currently, Stromberg-Carlson's main plant and offices are on a 48-acre plot, with its own highway, "Carlson Road." Supplemented by several other buildings in Rochester, there is a total of 750,000 square feet of manufacturing space.

In addition, Stromberg-Carlson has a manufacturing branch at Dallas, Tex. (which manufactures electronic wire carrier equipment) and an investment in Electronics Controls Systems Inc. of Los Angeles, Calif. (engaged in electronic development work). Also, there are branch sales offices at Atlanta, Kansas City, Chicago, San Francisco.



MAIN PLANT—This is main plant and offices of Stromberg-Carlson Company at Rochester, N.Y. (Share-owners vote this week on joining General Dynamics Corporation.) Building at right center is Rochester Radio City, housing Stromberg-Carlson's WHAM-TV.

Texas Civil Defense Drill Frightening Even Though It's Only For Practice

Convair Fort Worth's civil defense coordinator, C. E. Doering, made a day-long personal inspection of Texas civil defense efforts June 15 during the nationwide "Operation Alert."

This is his account:

"It was a bright and sunny June afternoon. The city of Houston was crowded with people doing routine things on a routine day.

"A few seconds later 287,000 people were 'dead': 176,000 were 'injured.'

"An 'atomic missile' fired from an enemy submarine in the Gulf had 'devastated' the largest city in Texas in a matter of minutes—without warning.

"Thank God it was all on paper. But it seemed real enough there in regional civil defense headquarters in Denton (about 40 miles north of Fort Worth).

"At 12:05 p.m. in various points across the country, the yellow alert—warning of approaching aircraft—sounded. An hour later the red alert went on. That meant the enemy was attacking.

"Thirty minutes later reports came in from State Civil Defense Headquarters in Austin. Houston had been hit!

"Then things really got moving. Doctors were contacted. Theoretically, crews started medical supplies on the way to Houston.

"An all-out effort was made to get needed equipment to the stricken city.

"You could almost see the network gradually expanding.

"It was amazing how people reacted to the alert. They became nervous and tense. They talked too fast. Their voices were shrill.

"One girl taking messages over the phone became so hysterical she had to be relieved.

"Texas' answer to the call was considered very successful. The city of El Paso evacuated 4,000 cars from downtown in 15 minutes.

"We may be called on to do the same thing here some day. Fort Worth is a critical area because of Carswell AFB and Convair."

Pilots Pile up Hours In Convair YC-131Cs

"I'm sold on turboprops."

That's the freely-offered and unqualified statement of a U. S. Air Force pilot who's in a good position to weigh the full significance of what he says.

He's Maj. Lyle D. Crawford. And he has a double-barreled job at Kelly Air Force Base, San Antonio, Tex.

He directs the crews that service and maintain the two Convair-built turboprop-powered YC-131C airplanes. And he also flies them. So he could be expected to know the good points—and the bad—both from the standpoint of ground crews and flight crews.

He makes no bones about it: "I **love** 'em."

Besides his time in the YC-131Cs, Crawford previously has logged about 7,000 military flight hours, plus 1,500 in civilian craft. A good portion of it has been four-engine time.

Major Crawford this month was one of six AF pilots who have each racked up more than 100 hours in the air in the new planes. They are twin-engine Convair 340s built at Convair San Diego and modified at Convair Fort Worth to use new turbine engines driving propellers.

Others who boast the same record are Maj. William R. Stanton, Capt. James M. Rives, Maj. Stanley Forster, Capt. Williard J. Turner, Capt. R. E. Lorrey. All fly in the test program directed by the 1700th Test Squadron Commander, Lt. Col. Samuel C. Burgess, a 14,000-hour pilot.

Military Air Transport service crews at Kelly had the two planes in the air a total of 275 hours during May.

This was the best monthly record to date. It was made despite the fact that the hurry-up engine-test program requires that crews remove the engines every 100 hours of flight. Each YT-53-A3 engine then is sent back to the Allison factory, where it is torn down and minutely inspected to see what improvements might be possible. (This is standard procedure in testing new type power plants.)

One of the planes was delivered to Kelly on Jan. 20, the other on Jan. 22. They flew 39 hours in January, 73 in February, 103 in March, 97 in April and 275 in May.

That, with previous Air Force flying, gives the two 131s a total of almost 800 hours AF time.

Those hours in the air are spent in flights to such spots as Indianapolis, Travis AF Base, Mobile, Ala., Albuquerque—and so on.

Best record logged by one of the planes in a 24-hour period was 19 hours and 15 minutes. Best record logged by one plane in a calendar day was 15 hours and 15 minutes.

"Considering that this is a new engine—and the first installation of the engine in a plane," said Crawford, "we're proud of the record the YC-131Cs have made.

"But we've got more to shoot at. Our goal now is to put in 3,000 hours in the air by the end of January, 1956."

Convair's interests in the AF's YC-131C test program are monitored by D. S. Dixon, from San Diego's service engineering department. For coordination, the program is also followed closely by W. A. Clegern, manager, and J. J. Walden of Convair's San Antonio field offices.

First of New R4Y Airplanes For Navy Leaves Factory For Flight

First flight of a new tri-purpose cargo transport—the R4Y-1—being built for the U. S. Navy was scheduled for early this week at Convair San Diego.

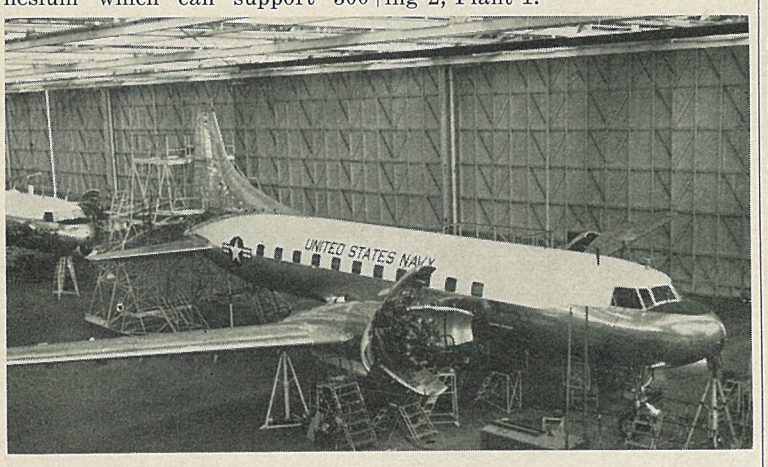
Designed to carry cargo, passengers or patients, the twin-engine transport is the first of a fleet of 36 airplanes now under construction.

While containing most of the features of the Convair-Liner Model 340, the R4Y-1 has a number of new innovations including a 120-inch cargo door which can be opened either horizontally or vertically for ease in loading and unloading and reinforced plastic-covered flooring of extruded magnesium which can support 300 pounds per square foot.

As a passenger ship the plane can accommodate 44 passengers in removable seats which can be faced either forward or rearward. Seats are interchangeable with those in the Convair-built R3Y turboprop transport. Twenty-seven litter patients can be carried at one time.

The first ship was factory completed June 9 and finished field operations phases late last week. Following a flight test period, the first ship is tentatively scheduled for presentation to the Navy July 20.

Meanwhile, additional R4Y-1s are moving toward completion on the final assembly line in Building 2, Plant 1.



COMING OUT — First Navy R4Y, shown in Bldg. 2 at SD before it went to field operations, was scheduled for first flight this week. Built on Convair-Liner design, it is versatile ship, can carry cargo, passengers or patients. Seats can be adjusted to face forward or rearward as desired. They are interchangeable with seats in Navy's R3Y, the big turboprop seaplane.

Mortensen New Nuclear Chief

Major F. M. Mortensen, whose special field is nuclear engineering, has been named chief of the Wright Air Development Center Aircraft Nuclear Propulsion office at Convair Fort Worth.

He succeeds Lt. Col. L. H. Ballweg who was re-assigned to WADC in Dayton.

Maj. Mortensen has been at Convair for two years. During 1953 he worked with Dr. R. N. Little in Convair Fort Worth's nuclear physics group, and last year was assigned to the WADC-ANP office.

During the second World War, Maj. Mortensen was assigned to Tarrant Field, now Carswell AFB, as an instructor in Convair-built B-24 and B-32 bombers.

First it Was Lark, Now it's Terrier

(Continued from page 3)

licated in Ridgecrest. A television repeater station on a peak southwest of the station helps bring in all Los Angeles stations, and reception is usually good.

Fishing is good at the Kern River north of the station, and in the winter the excellent skiing areas in the High Sierras are only a few hours away. And the area is a paradise for rockhounds and amateur prospecters.

Most Convair people are assigned to the station for short periods, ranging from a few days to several weeks. They usually live in motels in Ridgecrest—there are several good ones—or occasionally in the bachelor officer quarters on the station, if space is available.

At present, however, seven Convair men are residing more or less permanently in the area with their families. Mike Ross and John Hamaker live in Desert Park, a government housing project near the station, while Tom Flaherty, Doug Gunter, D. J. Hatfield, Milt Crummer and Jack and Joan Raber live in Ridgecrest.

Kent Campbell Now With Dayton Office

Kent M. Campbell this month was named assistant manager of Convair's Dayton, Ohio, office.

Campbell joined Convair in 1941 as an estimator and rose to general supervisor of contract administration before leaving the company in 1949. Since that time he has been associated with Solar Aircraft Co.

Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere.

Convairiety

San Diego EDITION

San Diego news office: Building 32, ext. 1071

Vol. 8, No. 14 Wednesday, July 13, 1955

SAN DIEGO AND POMONA, CALIFORNIA DAINGERFIELD AND FORT WORTH, TEXAS

New Model of GRB-36 Awaits Flight Testing

A refined and improved version of the GRB-36 aircraft carrier was ready this week to sail into a new series of flight tests at Convair Fort Worth.

All the aircraft carrier needs, in fact, is this: an airplane to carry.

And that airplane, a combat-ready RF-84F jet fighter, is expected momentarily at Fort Worth.

Its arrival will mark the first time a tactical RF-84F gets into the flight test act at Convair FW. Earlier tests used the F-84F prototype which served as a model for the later fighters.

Modernization department crews reported the improved GRB-36 is B-36 No. 120 made over into the aerial "landing strip" which can both launch and retrieve the parasite in mid-air. It was ready for final servicing as soon as the Republic RF-84F, being supplied by the Air Force, arrives.

Flight department, likewise, is ready, according to Manager B. A. Erickson.

Flight Capt. Ray Fitzgerald will command the plane, while Fred Petty will serve as co-pilot and J. D. Taylor as flight engineer.

Operator of the "trapeze" which the fighter plane hooks onto will be R. E. Fisher.

Pilot of the RF-84F is expected to be Lt. Col. K. W. Schultz, of the flight test unit of Wright Air Development Center. He is scheduled to be checked out on the operation by Maj. C. E. Good, who flew the prototype F-84F earlier.

Representing engineering department in the tests will be Ed Mathis, project engineer.

Improvements in the GRB-36 are designed to make it easier and quicker for the jet pilot and

(Continued on Page 8)

Dynamics Hails New Division

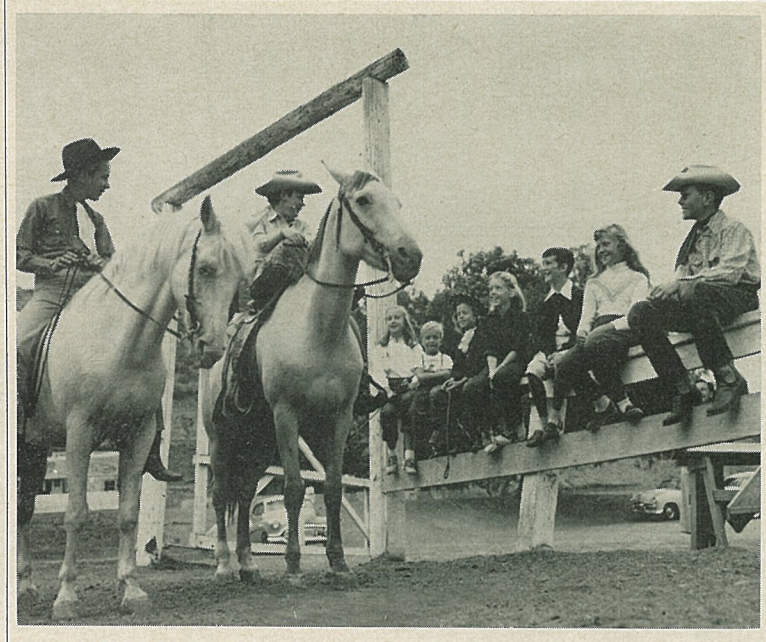
Late last month, share owners of both concerns approved the plan to merge Stromberg-Carlson of Rochester, N.Y. into General Dynamics Corporation.

Henceforth, Stromberg-Carlson will be known as Stromberg-Carlson, a Division of General Dynamics, John Jay Hopkins, president and chairman of General Dynamics, declared. Robert C. Tait, current president of Stromberg-Carlson, will continue to head the telephone, electronics, radio and TV firm and will become a senior vice president of General Dynamics.

No changes in the management of either General Dynamics or Stromberg-Carlson are contemplated, Hopkins added.

Addition of Stromberg-Carl-

(Continued on Page 3)



RAILBIRDS—Looking forward to the horse show at San Diego next week are these Convair youngsters. Mounted are Dennis Maxfield (son of C. W. Maxfield, Dept. 102) and Dorothy Branch (daughter of William Branch, Dept. 31). On the rail are Monica and Robert Lindkvist (children of Eric Lindkvist of Dept. 6), Antonette Paulsen (daughter of Tony Paulsen, Dept. 528), Pamela White (daughter of Dept. 70's Bill White), Kathlin Stearns (daughter of Sam Stearns, Dept. 258), Corina Lindkvist, and Skip Newman (son of Louis Newman, Dept. 24).

Top Riders Sign Entries For Annual Horse Show

Riders and horses from throughout Southern California and neighboring states are expected to take part in the seventh annual Convair Riding Club Horse Show slated for Palomar Stables (Mission Valley) July 24.

Marc Beresford, show manager, indicated this week that advance entries point to one of the largest fields ever to enter the annual CRA event.

Youngsters 17 years and under will comprise the morning show which opens at 9 a.m. and includes 11 events. Classes will be broken down in both western and English horsemanship to include competition for those 12 and under and those 13 through 17.

Convair's color guard will start the afternoon show at 1:30 with the presentation of the colors followed by 10 adult events.

Newcomers to this year's show will be Tennessee Walking horses, while jumpers, hunters and three and five-gaited horses will appear again along with stock horses, pleasure horses in both classes, roadsters to bike and many others.

"We extend a special invitation to all Convair employees and members of their families to witness this fine array of talented riders and horses in action," Beresford said.

There is no admission charge to the show.

First of Production F-102A Accepted by Air Force at Edwards

The U.S. Air Force has accepted the first production model of the Convair F-102A.

At the same time, the Air Force released the first official dimensions of the all-weather, supersonic interceptor: wingspan 38 feet; length 68 feet; height 18 feet.

★ ★ ★

Distinguished externally from earlier models largely by a different paint job, the production ship was accepted at Edwards Air Force Base late last month by Capt. Donald Butterfield, USAF, following several days of testing both by Convair and the AF.

Capt. Butterfield is assistant AF plant representative for Convair SD and acceptance pilot for the F-102A program.

The F-102A's new paint job involves a gray fuselage and delta wing, black nose and dull green in front of the redesigned canopy and on tops of the air intakes. Earlier models have been unpainted on metallic surfaces except for the nose.

Flight performance and armament on the interceptor continue to be carefully classified, but official releases stated that the single-place plane's Pratt & Whitney J-57 jet propels the

(Continued on Page 2)

Deltas Come And Go at SD

Delta-wing F-102As were coming and going at Convair San Diego last week with the departure of the second production F-102A and the return of the second YF-102 for additional work.

Rex Warden, Convair test pilot, flew away the second production F-102A (the first was trucked to Edwards AFB) July 7, bound for Convair's facility at Palmdale where it will be tested prior to acceptance by the Air Force.

Meanwhile, R. L. Johnson, chief test pilot on the F-102 program, returned the second YF-102 to San Diego from Edwards for inspection and preparation of the airplane for acceptance. The second YF-102 was flown successfully Jan. 11, 1954 by E. D. Shannon, chief of experimental flight, at Edwards. Since then it has logged over 100 hours of flight time in more than 160 flights.

Many Convair SD employees who witnessed the departure of the production F-102A got their first view of two F-102s in the air at the same time. J. M. Fitzpatrick, Convair test pilot, flew another YF-102 down from Palmdale to act as chase plane and streaked across Lindbergh Field just as Warden lifted the F-102A from the runways.

Convair's Coleman Named For World Air Award

The winner of the 1955 Harmon International Aviation Award is J. F. (Skeets) Coleman of Convair San Diego.

The award is tantamount to designating Coleman as the year's outstanding aviator.

Coleman, pilot of Convair's XFY-1 (Pogo), was honored for "outstanding contributions to the field of vertical takeoff and landing of combat fighter aircraft having high speeds in horizontal flight."

Coleman has been intimately associated with the Convair vertical takeoff airplane, built for the U.S. Navy, ever since its early flights in a "tethering rig" at Moffett Field, San Francisco. Following this early test program, he made the first vertical to horizontal transition with the airplane Nov. 2 of last year. Until recently, when Pilot John Knebel started checkout, Coleman had been the only man to fly the airplane.

A war veteran and a lieutenant colonel in the U.S. Marine Corps Reserve, Coleman joined Convair in June, 1952, with more than 12 years of commercial and military flying behind him. Learning that Convair was at work on a radically new VTO airplane, Coleman promptly applied for the job of project test pilot. There were no textbooks and no precedent to go on, so to learn the sensation of vertical takeoff he practiced in six different Navy helicopters. Also, because the XFY-1 would be able to fly like a fighter, he practiced in Navy and Air Force jet interceptors.

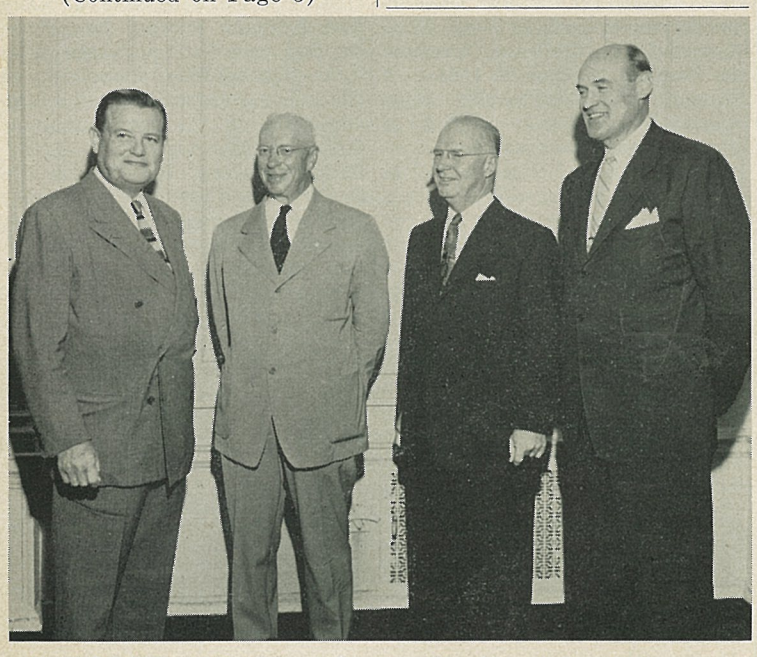
He made the first tethered flight with the airplane at Moffett Field last summer and on Aug. 1, 1954 took off for the first time without benefit of the tethering rig. Following the airplane's return to Brown Field

(Continued on Page 2)

First R4Y Transport In Flight Testing

Convair's first R4Y-1 cargo transport built for the U. S. Navy was in the final stages of flight testing this week awaiting customer acceptance scheduled for July 20.

Meanwhile, the second of a fleet of 36 airplanes being turned out for the Navy was factory completed July 7 and turned over to field operations.



WELCOME ABOARD—John Jay Hopkins, left, chairman and president of General Dynamics Corporation, welcomes three new members of corporation Board of Directors following merger of Stromberg-Carlson into General Dynamics. Left to right: Wesley M. Angle, Bernard E. Finucane and Robert C. Tait.

Star-Light Tickets On Sale at Bargain For CRA 'Opera Nite'

Bargain-rate tickets will go on sale today (July 13) at Convair San Diego for the Thursday, Aug. 4, performance of "Kiss Me Kate" at the Star-Light Opera in Balboa Park.

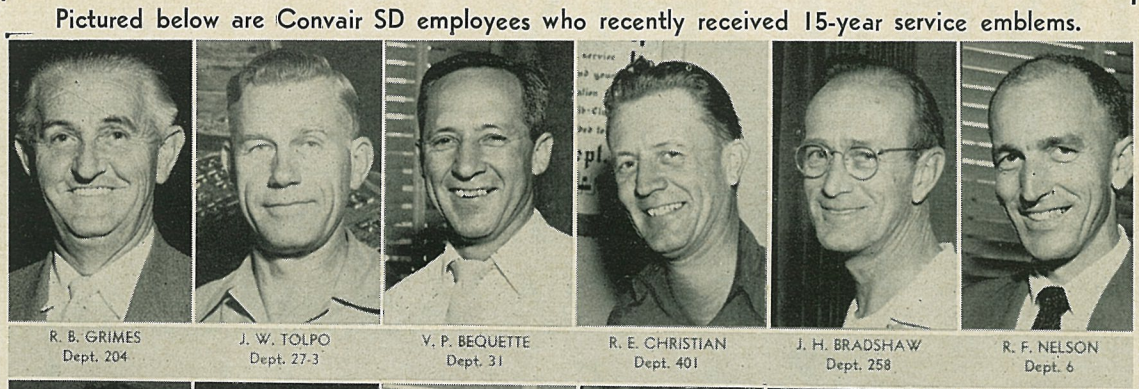
The "Opera Night" is another event sponsored by the women's activities section of CRA. Tickets which cost $2.50 normally are offered to Convair folk for $2. They are available at employee services at both Plants 1 and 2.

Aug. 4 will be the opening night of the famous Broadway musical.

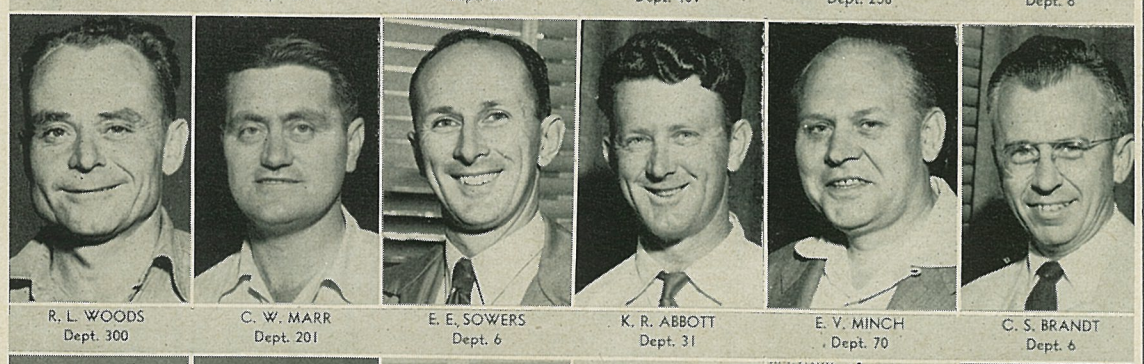
NUMBER ONE—J. F. (Skeets) Coleman, Convair SD engineering test pilot, this month was named winner of the 1955 Harmon International Aviation Award in recognition of his flights in the XFY-1. The award, in effect, points him out as the world's outstanding aviator for the year.

★ ★ Log Book Entries ★ ★

Pictured below are Convair SD employees who recently received 15-year service emblems.



R. B. GRIMES, Dept. 204 — J. W. TOLPO, Dept. 27-3 — V. P. BEQUETTE, Dept. 31 — R. E. CHRISTIAN, Dept. 401 — J. H. BRADSHAW, Dept. 258 — R. F. NELSON, Dept. 6



R. L. WOODS, Dept. 300 — C. W. MARR, Dept. 201 — E. E. SOWERS, Dept. 6 — K. R. ABBOTT, Dept. 31 — E. V. MINCH, Dept. 70 — C. S. BRANDT, Dept. 6

A. L. BISHOP JR., Dept. 401 — G. A. HASTI, Dept. 350 — J. H. TARVIN, Dept. 25-1 — LOUIS HALE, Dept. 70 — T. R. HENRIKSON, Dept. 101 — MARTHA C. NEWBERRY, Dept. 1-51

★ ★ Service Emblems ★ ★

SAN DIEGO

Service emblems due during the period July 1 through July 15:

Twenty-five year: Dept. 102, O. H. Funke.

Fifteen-year: Dept. 1-23, D. S. Devlin. Dept. 6, C. F. Boyle, Raul Castaneda, G. F. Foelsch, Seth Gunthorp, F. B. Lubo, R. C. Pasek, L. C. Wilson. Dept. 8-4, K. D. Saum. Dept. 9-5, R. H. McManus. Dept. 11-2, R. M. Williams Jr.

Dept. 25-1, D. H. Cunningham, A. H. Damarus, R. J. Saunders. Dept. 28, T. L. Cash, R. H. Nicholson. Dept. 31, A. O. Camp, F. J. Cech, W. M. Clapp, H. M. Jones, R. K. Wharton. Dept. 55, H. W. Arnold. Dept. 60, C. R. Mansfield, G. W. Marx Jr., J. D. Volkov Jr. Dept. 102, P. J. Ferrara.

Dept. 202, W. S. Rye. Dept. 258, E. A. Tillman. Dept. 303-3, R. L. Stanberry. Dept. 350, C. W. Piper, F. A. Yarick. Dept. 401, George Russell. Dept. 410, Frances F. Terpening. Dept. 528-8, C. G. Tefft Jr.

Ten-year: Dept. 6, H. T. Brooks, K. B. Reid. Dept. 8-3, R. A. Given. Dept. 22-7, Inez G. Devine. Dept. 25-4, R. A. O'Connor. Dept. 60, W. S. Donaldson, Charles Prachyl. Dept. 70, W. L. Lawson.

Dept. 201, Linzo Favors. Dept. 250, Wilma M. Stevens, Grace D. Welburn. Dept. 522-5, Annie S. Leech. Dept. 524-1, G. F. Lacy. Dept. 528-3, W. M. Foster.

Five-year: Dept. 3-3, Helen D. Carlton. Dept. 4-1, G. L. Selesko. Dept. 5, W. E. Knapton. Dept. 6, L. J. Braun, M. L. Cornish, J. J. Dean, J. D. Evans, Eleanor B. Hilton, E. W. Holloway, W. B. House, T. H. Scholder, D. E. Stouffer, J. J. Weckerly, L. D. White, V. L. Yansch. Dept. 8-2, D. E. Evanson. Dept. 9-8, B. F. Martin.

Dept. 10-8, Margaret G. Stewart, Evelyn A. Williams. Dept. 11-2, C. H. Huss. Dept. 12, Bernard Lengbridge. Dept. 14-1, Hugo Celaya. Dept. 22, H. S. Alderman Jr., Dara K. Alexander, Joseph Catalino, J. T. Jourdan.

Dept. 25-6, W. T. Evans. Dept. 27, C. E. Plummer, J. P. Westler. Dept. 28, W. L. Curtis, F. T. Schofield, E. L. Sergent. Dept. 31, J. A. Decosta, E. T. Flor. Dept. 35, Maryann Jesienski. Dept. 37, O. J. Bazoon Jr., F. O. Fernandez, T. A. Wray. Dept. 40, Ida D. Day, M. C. Skirtic.

Dept. 43, Vina L. Miller. Dept. 46, Willis Gann Jr. Dept. 52, E. E. Farmer, L. D. Garrett, L. A. George, Beatrice B. Healey, R. H. Schirmer. Dept. 55, Benjamin Hanaike Jr., V. L. Leonhardi, Mercedes M. McCloskey, R. R. Turner, I. E. Whitbey. Dept. 56, R. E. Gschwind. Dept. 60, B. L. Coonce, Lois C. Green, W. H. Higginbotham, Esther G. Lovato.

Dept. 70, J. A. Barton, Milton Burns, C. A. Chamberlain, R. P. Contreras, A. L. Lancaster, D. H. Lesher, Jerelyn L. Morstad, O. W. Potter. Dept. 72, Helena B. Kerns. Dept. 101, Lee Blackwell, Marguerite T. Rice.

Dept. 102, M. L. Goldman, Estelle S. Jorgensen, Ismael Ortiz, J. R. Page. Dept. 115, J. B. Denton, L. J. Kokal. Dept. 203, E. L. Edwards. Dept. 250, Margaret Coronado, LaVon H. Patterson, Wyone C. Smith, Dorothy C. Ticknor. Dept. 255, C. H. Hoffman.

Dept. 258, H. A. Anderson, J. A. Jacome, J. V. Johnson, Seth Leech Jr. Dept. 300, W. A. Arias, R. E. Cook. Dept. 350, K. F. Cash, Anthony Cota-Robles, T. P. Emery, Barbara J. Gates.

Dept. 403, V. W. Fisher. Dept. 406, R. N. Budvarson, Roberto Rodriguez. Dept. 410, R. D. Maw, R. W. Richardson. Dept. 522, Myrtle J. Davis, W. H. Greer, J. E. Maclean, Beatrice C. Mallory, R. H. Morgan, E. A. Perryman, L. L. Sowles.

Dept. 528, W. H. Cunyus, L. H. Fry, H. R. L. Goss, Katharine S. Martin, L. G. Sargent, W. L. Temple. Dept. 529-1, W. A. Sanders. Dept. 603-7, A. C. Gohs.

POMONA

Fifteen-year: Dept. 25-2, T. E. Blain. Dept. 31, J. N. Thompson Jr.

Ten-year: Dept. 5-1, C. Frances Shaffer.

Five-year: Dept. 4-1, J. H. Salern. Dept. 6-0, A. D. Miller. Dept. 22-5, Norma M. Salyer. Dept. 72-0, G. J. Frahm.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective June 27:

Dept. 3-1, Industrial Security: To fire lieutenant, D. D. Dimmitt Jr.

Dept. 6, Engineering: To electronics group engineer, D. M. Hill, R. G. Wilson. To research group engineer, J. E. McMichael, W. H. Schwidetzky. To design group engineer, J. J. Beckman, J. W. Short.

To asst. design group engineer, F. L. Beale, P. L. Brady, H. W. Callihan, L. C. Garday, M. D. Hart, J. G. Hawkins, G. Karel, D. G. Moody, C. F. Osberg, A. R. Perl, R. H. Ridnour, G. K. Sherman, I. F. Thomson, A. P. Traskell, P. F. White, E. Witek, M. R. Yale.

Dept. 44, R3Y Hull Sub-Assembly: To asst. foreman, C. W. Johnson.

Dept. 401, Jigs & Fixtures: To asst. foreman, J. L. Cortez, M. Serniuk.

Dept. 529-1, Palmdale, Model 8 Flight Center: To asst. general foreman, C. C. Baker.

POMONA

Dept. 4, Material: To receiving & stores asst. foreman, J. N. Hayes.

Dept. 12, Long Range Planning: To program planning administrator, J. P. Rimer.

Dept. 22, Manufacturing Control: To asst. supervisor, R. S. Mahan. To foreman, Sylvester Herman.

Dept. 24, Manufacturing Engineering: To T&O planning asst. supervisor, P. W. Brookes.

Dept. 42, Tool Manufacturing: to asst. foreman, A. J. Hogue Jr.

Dept. 72, Test Equipment Maintenance: To asst. foreman, E. P. Collins Jr., D. J. Finley.

Deaths

SAN DIEGO

BUCKLEY — John, Dept. 25. Died June 29. He had been with Convair 15 years. Survived by wife, Mrs. Edith Buckley, three sisters.

KLEINBAUER — Mathew F., Dept. 407. Died July 7. With Convair since 1946. Survived by wife and five children.

LLAMAS—Cornelio, Dept. 215. Died June 28.

SCOTT—Harold A., Dept. 28-7. Died June 26 while vacationing in Jefferson City, Mo. He joined Convair in 1947. Surviving are his wife, Mrs. Marian Scott; three daughters, Sharon, Pamela, Deneis.

STEWART—Charles Fred, Dept. 8-2. Died suddenly in his home July 4. He had been with Convair three and one half years. Survived by his wife, Mrs. Doris Stewart; four children, Charles Scott, 12, Sandra Kay, 10, Marc, 5, Penny Ann, 4.

Awards

SAN DIEGO

Employee Suggestion awards totaled $1,485.50 for the weeks of June 16 and June 23:

Dept. 3, Industrial Relations: M. T. Faucon, $25.

Dept. 6, Engineering: E. P. Augustin, $74.50; R. Ruggiero, $5; J. C. Watt, $50.

Dept. 9, Controller's: G. P. Lloyd, $28.75.

Dept. 14, Shipping & Material Stores: A. Williams, $5.

Dept. 25, Plant Engineering: C. Hebb, $10; K. C. Morain, $10.

Dept. 27, Quality Control: R. Avitable, $10.

Dept. 31, Experimental: S. Pauchnick, $105.

Dept. 52, 340 Wing: A. B. Pedroza, $10; J. H. Sargent and G. R. Matlock, $26.50 each.

Dept. 55, 340 Fuselage: P. J. Aslin, $10; E. E. Burris, $10; C. B. Hand, $10; A. H. Spencer, $10.

Dept. 56, 340 Primary: J. S. Broussard, $10; R. B. Clark, $10.

Dept. 60, Model 8 Wing & Tail: S. Garcia, $5; C. M. Kerby, $20; E. Noyas, $10.

Dept. 70, Model 8 Fuselage: R. C. Dacheff, $62; E. V. Dean, $37.75.

Dept. 101, Sheet Metal: A. E. Bougher, $10.

Dept. 102, Sub-Assembly & Processing: N. J. Cardwell, $10; E. Fountain, $57.

Dept. 110, Special Projects: J. N. Bergen, $20; J. L. Harris, $28.25.

Dept. 201, Sheet Metal: C. E. Shoemaker, $15.

Dept. 203, Welding: B. T. Hutto, $21; K. W. Richey, $5; O. D. Sanders Jr., $25; W. Wantuch, $20.

Dept. 204, Finishing: R. Johnston, $5.

Dept. 215, Machine Shop: D. I. Baker, $5; J. A. Desmore, $15; G. R. Eldridge, $110.

Dept. 258, Proofing Mock-Up: T. R. Packer, G. E. Wilson and W. M. Green, $9.50 each.

Dept. 313, Model 8 Flight Test-Holloman: T. R. Edds, $42.25; H. N. Toole, $10.

Dept. 355, Fabric & Tubing: C. R. Woody, $10.

Dept. 403, Tool & Die Shop: G. J. Winchell Jr., $19.

Dept. 406, Plaster Pattern Shop: C. B. Pierce, $10; J. E. Zentz, $10.

Dept. 410, Purchasing: L. N. Taylor, $106.

Dept. 524, Tooling: J. G. Hickey, $100.

Dept. 528, Inspection: C. F. Gonzales, $30 (final payment); H. L. Gustafson, $53.25; E. E. Rose (two awards) $39.25, $100.

POMONA

Employee Suggestion awards at Convair Pomona totaled $240.50 for the period ending July 8, 1955:

Dept. 25, W. C. Talleur, $10.
Dept. 27, Milton Sklut, $85.
Dept. 31, L. C. Landry, $15.
Dept. 62, W. A. Robbins, $17.
Dept. 72, Ethel Morris, $24.50; P. K. Nicholson, $10; H. A. Sweaney, $45.
Dept. 73, G. L. Parker, $34.

Cost improvement proposals for the same period were:

Dept. 27, W. M. Wurzler.
Dept. 53, A. L. Marker.

Births

SAN DIEGO

KIRKALDIE — Son, Walter Glenn, 8 lbs. 2 oz., born June 5 to Mr. and Mrs. Glenn W. Kirkaldie, Dept. 603-1.

MOORE—Son, Wiiliam Randall, 6 lbs. 2 oz., born May 23 to Mr. and Mrs. W. A. Moore, Dept. 72.

RICE—Son, Danny, 6 lbs. 5 oz., born April 6 to Mr. and Mrs. W. F. Rice, Dept. 406.

COCOA BEACH

FAZEKAS—Son, Edward John, 6 lbs. 14 oz., born June 30 to Mr. and Mrs. E. J. Fazekas, Dept. 343.

POMONA

ELLINGTON—Son, Dennis Leon, 5 lbs. 12 oz., born June 23 to Mr. and Mrs. Joseph L. Ellington, Dept. 51.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations. General Offices, San Diego, Calif,, Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (if no answer, call 6278). Staff: James Combs, Jr., Elizabeth McCuistion.

Convair SD Crew Home After F-102 Assembly Job at Dayton

An unusual assignment — assembling an F-102 over 2,000 miles from San Diego—was all but completed this week by a picked Convair crew at Wright-Patterson Air Force Base, Ohio.

The airframe of the supersonic jet is scheduled for a series of static tests during the coming year at the Air Force's Wright Air Development Center.

The 24-man crew headed by General Foreman Lou Fischer and Foreman D. A. Jones included personnel from several F-102 factory departments, inspection and engineering.

The operation was launched shortly after the first of June when the main group arrived and set up quarters in a motel near the air base. Tools for the job and major components began arriving shortly thereafter by rail and air freight with the assembly job continuing on a two-shift schedule throughout June.

Major drawback in the program was a 10-day rainstorm which greeted Convair personnel shortly after their arrival.

"We worked those first few days under some terrible handicaps," Jones said this week. "However, the cooperation extended by civilian and Air Force personnel at the base was exceptional and we were able to complete our job with a minimum of delay."

While most of the crew was back in San Diego this week, several will remain at WADC for further work and to assist in the tests.

CONVAIR AIRMAN GETS TOP AWARD

(Continued from Page 1)

near San Diego that fall, Coleman flew the airplane in its first transition flight Nov. 2.

Coleman was born in Chicago, joined the Marines in June, 1941 as an aviation cadet and spent 22 months in the Pacific Theater, flying 91 missions. After the war he attended the University of California at Los Angeles to qualify for an engineering degree.

McVicker Shifted in Exec. Assignment

G. D. McVicker, program control administrator, long range planning at SD, has been assigned to the office of J. G. Zevely, Convair director of contracts, in an executive development assignment effective June 27 through Sept. 30. W. S. Stroud is serving as acting program control administrator.

★ ★ ★

FIRST PRODUCTION F-102A ACCEPTED

(Continued from Page 1)

F-102A faster than sound and at stratospheric altitude.

Output of F-102As at San Diego's Plant 2 is scheduled to step up in the next few months, B. F. Coggan, Convair SD manager, indicated following acceptance of the production airplane. He said that although much of the final work on this particular airplane was done by SD's experimental factory, all such work on future production ships will be performed at Palmdale. They will be flown there for finishing touches and testing.

Two Superintendents Appointed Within Operations Department

Appointment of two superintendents in the operations department at Convair Pomona has been announced by R. C. Loomis, assistant division manager—operations.

The appointments were made in connection with a re-alignment of responsibilities within the operations department.

A. W. Hotchkiss has been named superintendent of test equipment and checkout, while L. J. Enfield has been appointed superintendent of missile manufacture. Both positions were created at the time of the appointments.

Hotchkiss will be responsible for all phases of work involving test equipment and checkout within the operations department. Enfield is responsible for factory functions in all departments with the exception of test equipment and checkout. Both report to Fred Morgan, Factory Manager.

Enfield joined Convair in 1940 at Vultee Field as a machinist and was an assistant foreman when he transferred to the San Diego Division in 1947. He transferred to the Pomona Division in 1951 as a foreman, and was general foreman of fabrication at the time of his promotion to superintendent. He is a native of Sonoma, Calif., and received his schooling at Fullerton, Calif. Immediately prior to joining Convair he was a foreman for Shaffer Tool Works.

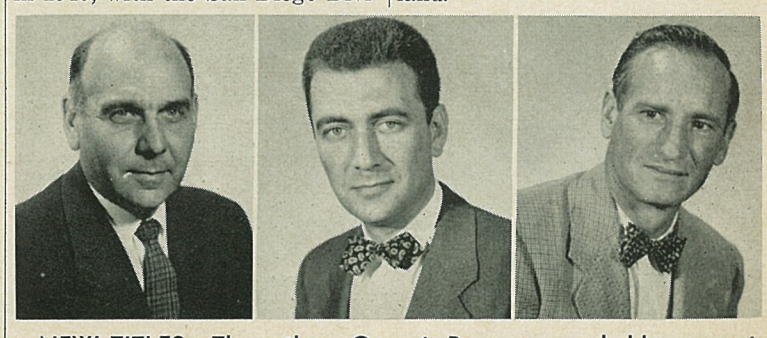
Hotchkiss also joined Convair in 1940, with the San Diego Division. Starting as a mechanic, he became a general foreman before his transfer to the Pomona Division in 1952. He was in the sheet metal and experimental departments at San Diego, and was with the B-36 recycling program at the time of his transfer. Before his recent appointment he was general foreman of electrical sub and final assembly.

★ ★ ★

Pat Rimer Named To New Position

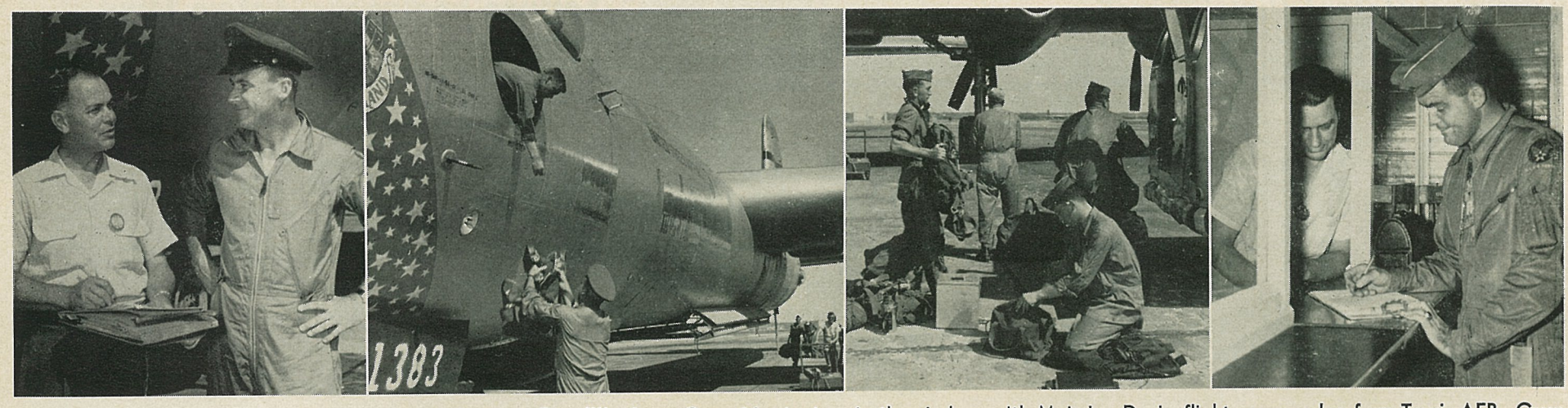
Appointment of J. P. "Pat" Rimer as program planning administrator in the long range planning department has been announced at Convair Pomona.

Rimer, a native of New York City, joined Convair in July, 1954, after serving with the Navy for 12 years. He saw duty at sea as fire control officer aboard the USS Massachusetts, gunnery officer for the USS R. E. Kraus, and as commanding officer of the USS Towhee. He was a Navy post-graduate student from 1946 to 1948, and for two years prior to his release from active duty in 1954 was engaged in guided missile research for the Bureau of Ordnance. He received his bachelor degree from Washington and Jefferson College in 1942, and a master of mechanical engineering degree from Rensselaer Polytechnic Institute in 1954. He also attended the University of Maryland.



NEW TITLES—These three Convair Pomona men hold new positions this week. Left to right, A. W. Hotchkiss, superintendent of test equipment and checkout; J. P. Rimer, program planning administrator in long range planning; L. J. Enfield, superintendent of missile manufacture.

'Shuttle' Continues as Crews Deliver B-36s, Then Fly Others Away



FERRY FLYERS—B-36s continue to come and go at Fort Worth as Convair's SAM-SAC program progresses. Here a ferry crew delivers a ship on a Monday and flies away with a new one on Wednesday. Top left, R. C. Eckert of contracts signs in the airplane with Maj. Joe Davis, flight commander, from Travis AFB. Crew unloads gear and boards a bus to flight department where, far right, Capt. George Cox signs in with D. M. Hall.

A New Division Created As Stromberg-Carlson Joins General Dynamics

(Continued from Page 1)

son's 5,200 employees brings the "population" of General Dynamics to more than 60,000.

Hopkins' statement of welcome to Stromberg-Carlson read:

"On behalf of the Board of Directors, the Corporate officers and the divisions of General Dynamics Corporation, it is my great pleasure to welcome the men and women of Stromberg-Carlson into the Dynamics family.

PRESIDENTS—Gen. Joseph T. McNarney, right, senior vice president of General Dynamics and president of Convair, greets Robert C. Tait, new senior vice president of General Dynamics and president of Stromberg - Carlson Division.

"It is indeed a privilege, we feel, to have associated with us a group whose reputation for quality and integrity matches so well the ideals and achievements of other members of the General Dynamics organization.

"Your skills, your tradition, your products — but principally you as people—will, we are confident, enable General Dynamics Corporation to make even greater contributions than in the past to the economic welfare of the nation and to the defense of the free world.

"Through you, who are now a division of General Dynamics, we look forward to becoming a part of the vigorous and hospitable community of Rochester. We know well the high regard in which Rochester holds the name Stromberg-Carlson. We hope that the Corporate name—General Dynamics—will in time, with your help, share that esteem.

"Speaking for all of us in Montreal, in Groton, in Bayonne, in New York, in Washington, in San Diego, Pomona, Daingerfield and Ft. Worth, we shall do our best to see to it that our relationship will always be productive, profitable and happy."

Two Sessions of Summer Camp Reserved For Convair Children

Parents interested in sending their children to the first Camp Cuyamaca session sponsored by the Convair San Diego Management Club were reminded this week they have less than three weeks in which to file application forms.

"We are asking that reservations be made two weeks in advance for each session (August 15-19 and August 22-26)," said C. T. Boyle, chairman for arrangements. "After that time, reservations will be open to the general public."

Convair SD Management Club and clubs from other aircraft firms in San Diego have taken over the camp for the two August sessions. A maximum of 125 youngsters between the ages of eight and 13 (boys and girls) will be accepted for each.

Cost for the period is $13 per child plus a $1 fee for a health examination, if performed by the camp physician. The Management Club will pay insurance and transportation costs

Application blanks are available at the following Plant 1 locations: M. C. Nesbit, Col. C-13, Building 2; Marge Haskins, engineering personnel office, Building 5; Roy Ashe, Room 422, Building 19; or Martha Woodberry, employee services office, Building 32.

At Plant 2 they are available through: George Bailey, Col. C-16, Building 1; Dorothy Birse, Room 17-8 (Mezz), Building 2; or Helen Johnson, employee services office, Building 4.

Further information is available by calling employee services offices at ext. 1245, Plant 1, or ext. 508, Plant 2.

Convair Brass Joins In AF Dedication

Convair President Joseph T. McNarney and Vice Presidents T. G. Lanphier Jr., and August C. Esenwein were on hand for special dedication ceremonies for the new Air Force Academy. The July 11 observance was held at Lowry Air Force Base, Denver, Colo.

TWO DAYS LATER—Ferry crew reverses procedure as they prepare to fly away a modernized B-36. Here they line up for inspection before takeoff.

Second Phase of Improved Steam Lines For SD Nearly Completed

The second phase of a $450,000 program to modernize the steam system at Convair San Diego's Plant 1 was about 90 per cent completed this week.

Initial step in the three-phase program included installation of a new type water softener to remove all traces of hardness in water processed in two new high capacity boilers.

The second step involved connecting this equipment in Bldg. 9 with manufacturing areas in Bldg. 1. While existing steam pipes were utilized whenever possible, the task called for installation of additional overhead steam lines. The second phase will be completed with the addition of a third new boiler scheduled to begin in late July.

Final work on the project will come in 1956 with further extension of the lines to include Bldgs. 5 and 51 and the installation of two additional boilers.

These five boilers will be used to replace 22 smaller boilers previously in use throughout Plant 1.

Some 50 tons of pipe ranging in size from two through 16 inches in diameter is being installed during the program.

Two Sons and Mother All Win Honors

It was a big month in the family of Henry Growald of Convair Fort Worth.

The oldest Growald son, Martin Chandler, won his master's degree in architecture at Harvard.

Mrs. Growald, at the same time, successfully completed study in interior decorating at Texas Christian University.

The youngest son—Richard—took journalism honors in the annual Sigma Delta Chi journalism fraternity (Fort Worth chapter) competition for a news article he wrote in 1954 when a reporter on the Fort Worth Press.

Lankford Elected By Fire Association

Mason Lankford, process control department employee at Convair Fort Worth, was elected third vice president of the State Fireman's and Fire Marshal's Association of Texas in Dallas last month. Lankford is Tarrant County fire marshal. Approximately 1,300 attended the three-day convention in Dallas.

'Doc' Savage 'Promoted' Twice

Two "promotions" developed for Col. C. (Doc) Savage on the eve of his departure from Convair Fort Worth, July 6.

In a humorous ceremony the Fort Worth Downtown Lions Club commissioned him "Generalissimo" and gave him sheepskin credentials to prove it.

At the same time, the native Alabaman was commissioned a "brigadier general of the Confederate Air Force." This was presented by W. T. Alvis on behalf of Savage's friends at Convair.

Earlier, Manager August C. Esenwein had given Savage a 33-page brochure entitled "This Is Your Life." It is a humorous takeoff on the TV show of the same name, and reviews some of the highlights of Savage's life—especially the almost five years he spent as AF representative at Convair Fort Worth.

In the more serious foreword, Esenwein said: "We don't vouch for the accuracy of some of the items. But we do vouch for the fact that you are one of the best plant representatives in the whole United States Air Force."

Savage left Convair Fort Worth for a new assignment in the Air War College at Maxwell, Ala. He was succeeded by Lt. Col. Leonard J. Hutton.

Air Force and Navy Groups Coming to Convair A-Visiting

Three groups of Air Force and Navy personnel were getting an inside look at Convair Fort Worth this month.

Yesterday, July 12, a group of 200 officers and cadets of the Air Force ROTC from Kelly AFB were slated to tour the reservation.

They represent 28 southern colleges and universities. The students are on a four week training period as part of their college ROTC program.

Scheduled for a tour on July 18 is a group of 40 students and faculty members of the senior observer technical specialist course from Mather AFB, Calif.

Members of the tour are specialists in navigation, bombing, electronics and aerial engineering.

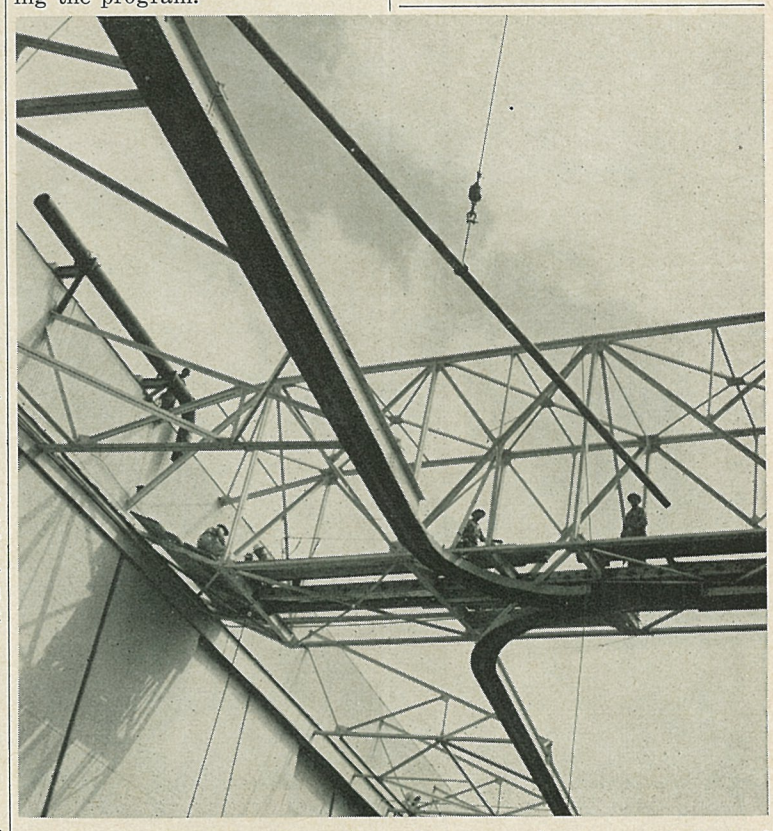
On July 20, approximately 30 members of the Naval Air Test Center, Patuxent, Md., will visit.

Two Convair Sons Commissioned in AF

Two sons of J. J. Minton, administrator in Convair Fort Worth's long range planning department, were commissioned in the Air Force last month. They are 2nd Lt. Joseph J. Minton Jr., and 2nd Lt. G. V. Morton Minton.

The former recently won Southern Methodist University's Distinguished Military Student Award. He has entered flight training at Lackland Air Force Base, San Antonio.

His brother will continue studies at the University of Texas for a law degree under the jurisdiction of the Air Institute Technology. He is a member of the Air Force Reserve.



OVERHEAD PIPE—Crews have been spending a good deal of time aloft at Convair SD recently, installing new pipelines which will carry steam service throughout Plant 1 from steam boilers in Bldg. 9. Crane here is raising a section to top of Bldg. 2.

Tommy's Tribute to His Daddy Carries a Potent Punch Line

(For picture, see page 5)

One short sentence won for Charles A. Keis, Convair Fort Worth man, the title of "Southwestern Navy Father of the Year."

The sentence was entered by his son Tommy, 7, in a Fathers Day contest at the Dallas Naval Air Station. Tommy's tribute won over 250 other entries. It was:

"I think my Dad is the greatest Dad in the world because he always gives me and my brother Rickie a second chance."

The award came as a surprise to the material department welder.

"Tommy said one day that he'd entered some sort of a contest, but I'd forgotten about it. When Capt. David Suey, station commander, called to tell me Tommy won—I didn't know what he was talking about at first!"

From Tommy, Keis got the whole story. Tommy had read about the contest and decided he wanted to enter.

"He knew what he wanted to say, but he didn't know exactly how to go about it," Keis explained. "So his mother helped him spell it out."

Keis, a shipfitter in the Navy in World War II, received a scale model of an aircraft carrier. Tommy and Rickie won ship model kits.

It's an All Convair Cast For Film Explaining United Fund Role at FW

(For picture, see page 5)

A "typical" Fort Worth family—all Convair Fort Worth people—will help tell United Fund's story to thousands this year when UF stages its annual fund-raising drive.

The family was chosen to represent a typical family group. M. H. Holloway, Dept. 2-5, and his wife, Carol, play the roles of the parents.

Cast as their children are Terry Lee Turner, nine year old daughter of L. L. Turner, special assistant to the FW manager; Chuck Morris, 13 year old son of Everett Morris of engineering; and Debbie Holloway, five and a half year old daughter of the Holloways.

The movie is being filmed in Fort Worth at various United Fund agencies and in the Holloway home.

The story tells how United Fund could benefit a typical family through its 43 agencies.

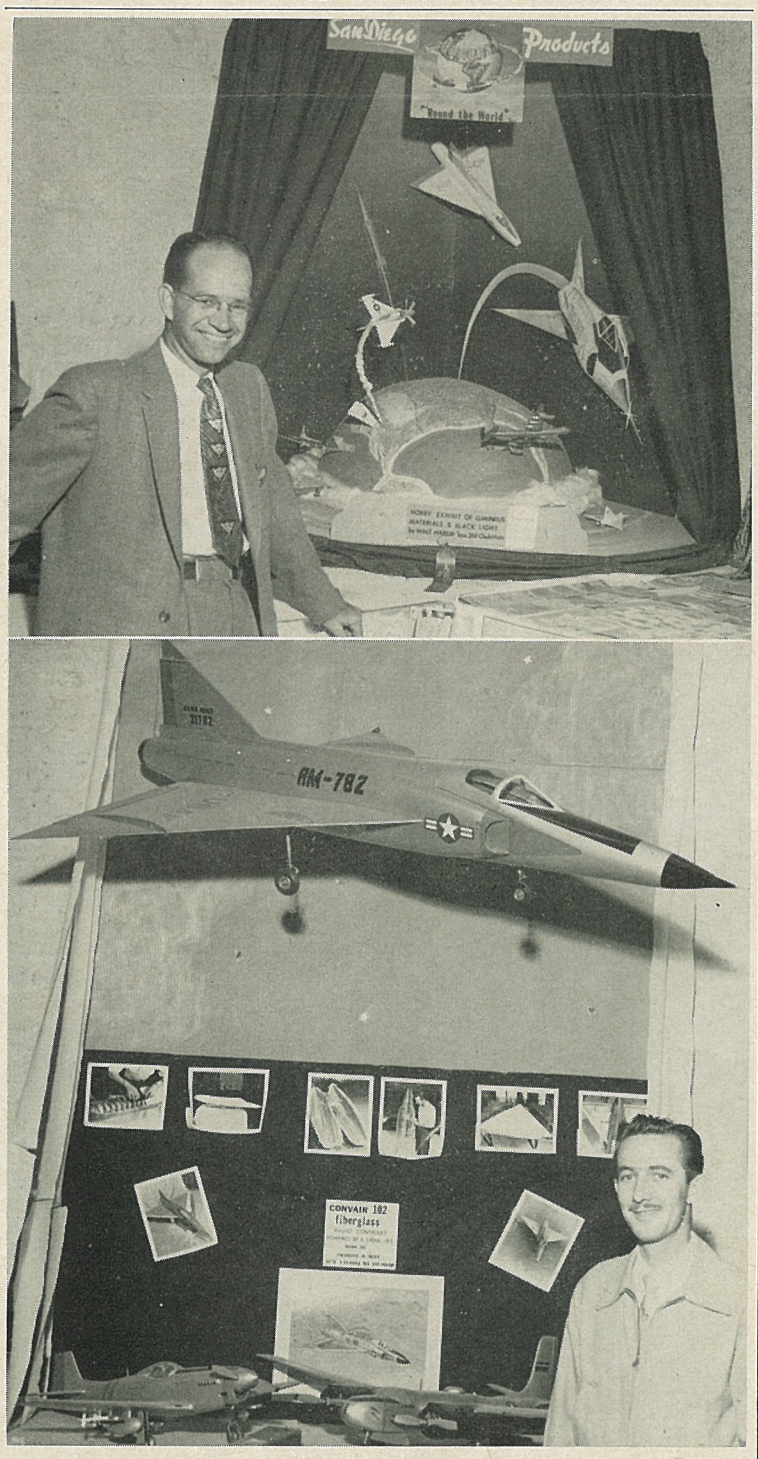
Convair Fort Worth is one of UF's largest contributors. Last year through Con-Trib-Club, Inc., employees gave $167,000 to Fort Worth charitable, civic and education agencies.

Convair Contributes $3,000 for Hospital

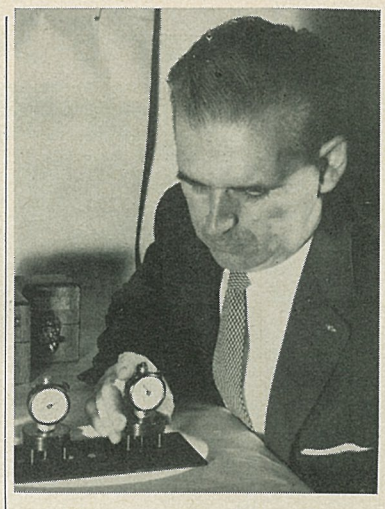
Convair last month presented the Pomona Valley Community Hospital with a check for $3,000.

The check, a corporation gift, was tendered to B. J. Caldwell, hospital administrator, by Charles F. Horne, Convair Pomona manager. Also present was H. M. Wagner, special assistant to the division manager.

The gift was the fourth the company has made to the hospital building fund since 1952, bringing total Convair contributions to $23,000.



EXHIBITORS—Walt Hardy, Dept. 28, top photo, and Charles Ogle, Dept. 215, both of SD, pose by their prize winning exhibits at Del Mar where Southern California Exposition was held. Both entries had Convair themes. One was a globe, made from B-36 blister, featuring Convair aircraft; other was a model of F-102.



FINE LINE—Hedden demonstrates scratch depth gage in which tiny needle shows how deeply material has been marred, registering results on dial.

Because He's Lazy . . .

Service Engineer's Active Mind Produces Series of Inventions

Bill Hedden is the first to admit that he's one of the "laziest" men at Convair Fort Worth.

And because he is, Hedden, a senior service engineer, spends most of his spare time working hard to find better—and easier—ways of doing things.

That he's had better than average success is evident from a number of devices, procedures and tools he's developed. Much of the development work was done in his well equipped home work shop at Riverside.

"When you come up with an idea that does a job better," he says, "you almost always find that it's also easier. Or maybe something that you couldn't do at all before. . . . "

One example is a gage which Hedden developed to measure the depth of scratches on—say—a piece of aluminum destined to be part of an aircraft skin.

"We always knew," he said, "that if the scratch wasn't too deep, we could salvage the skin. But we didn't have a quick and easy way of figuring out how deep the scratches were."

Hedden's scratch depth gage does the trick.

He perfected a tiny device that is placed over the scratch. A fine pointed needle at the base of the gage gives the depth of the scratch on a dial with readings to the nearest five thousandths of an inch.

"A gage like this—or something that does the same thing—is virtually a must in aircraft production," says Hedden. "Because you can't use the skins if the scratches are too deep—and if you don't know how deep they are you may be discarding skins that would work perfectly well."

The scratch depth gage is only one of Hedden's many ideas.

Others are an automatic hardness testing machine, an automatic soldering iron control, a fuel mixture throttle position indicator, a waste gate position indicator, two different methods for propeller pitch position indicators, a deep throated thickness gage, a piston position indicator, a method of receiving color TV, a circuit and controls analyzer, an automatic circuit analyzer, and an automatic harness analyzer.

How does an inventor go about inventing?

"Well, you don't just sit down and say, 'I'm going to invent something,'" said Hedden. "Usually it starts with an idea—because you've seen something being done the hard way.

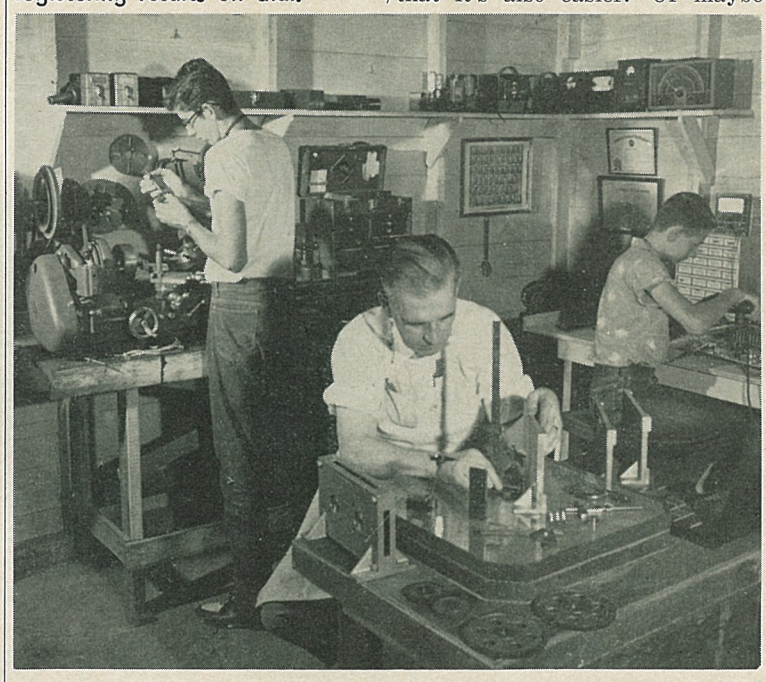
"You think—'there must be an easier way to get the job done.' It might take a long time to reason out a way to do the job better.

"Then all of a sudden it hits you. And you wonder why you didn't think of it before."

This is only half the work. The rest is to find a way to make the invention work. To do this, Hedden has an elaborate workshop set up in his home in Riverside. It has all types of precision measuring equipment and electronic devices.

There's just one problem Hedden hasn't been able to work out though—complete originality.

"It seems no matter what you think of — someone else has thought of it before," he said. "The consolation is—maybe your idea is a little bit better."



WORK SHOP—This is work shop at home of Convair FW's Bill Hedden where he has worked kinks out of many inventions. At left is son Jim at turret lathe and at right Bill, Jr., works one of father's pet projects, an automatic harness analyzer.

Convair Entries Capture Ribbons For Excellence at County Fair

Convair SD employees took blue ribbons for everything from coffee cakes to Fiberglas models during the 16th annual Southern California Exposition which closed July 4 at Del Mar.

First place awards were made to Walt Hardy (Dept. 28) and Charles Ogle (Dept. 215) in the hobby show, Joe Rogers (Dept. 300) and Mrs. Charles Kraus (her husband is in Dept. 522) in the rockhound show and Dorothy Bolland (Dept. 215) in the cooking contest.

Two Convair women accounted for three awards in cooking events. Miss Bolland won first for her coffee cake and third for her Parkerhouse rolls, while Mary Gagnon (Dept. 215) won second for her apple pie.

ROCKHOUNDS WIN

Rogers took first in the Cabachon division for first exhibitors with Mrs. Homer Popplewell taking second. Mrs. Kraus won first in the rough and cut division and second in the open Cabachon division, while Homer Popplewell (Dept. 31) won third.

Hardy's winning hobby exhibit was made from a surplus B-36 blister, crepe paper and a number of plastic, paper and metal models of Convair airplanes. The blister was covered to resemble a portion of the globe from which Convair's general office building protruded amidst various airplanes shooting out into a star-studded sky. The entire layout was covered with luminous paint and lighted to give an unusual glow.

Ogle's prize-winning exhibit centered around a 75-inch Fiberglas model of the Convair F-102 with a 58-inch wingspan. While only the airframe was entered in the exhibit, the unique model will be completed in the near future as a radio controlled flying model powered by a dyna jet engine.

JET PROTECTION

The model contains many of the characteristics of its Air Force counterpart including a remarkable insulation shroud made of sheet asbestos, aluminum foil and sheet aluminum to protect the airframe from the heat generated by the jet engine.

Completed, Ogle expects his F-102 to weigh about 25 pounds and to be capable of speeds between 50 and 60 miles per hour.

His project took about six months to complete and called for about 600 pounds of plaster in assembling molds for the fuselage and wings which are only one-sixteenth of an inch in thickness. However, Ogle can now turn out replacement parts in a matter of minutes by using the molds.

Ogle believes his will be the first jet-powered Fiberglas model ever to fly with radio controls.

Maj. Fleet Honored As Aviation Pioneer

Major Reuben H. Fleet (USA, ret.), founder of Consolidated Aircraft (which later became Convair), was honored last month at the Fifth International Aeronautical Conference in Los Angeles. The pioneer aircraft manufacturer was cited for his many contributions to aviation.

"According to my calculation, your car will cover the down payment on the spare tire."

Scotland Calls Convair Veteran

(For picture, see page 5)

Old friends, relatives and boyhood haunts he hasn't seen for over 30 years were occupying John Strachan (Dept. 60) of Convair SD this week on a vacation trip to his native Scotland.

Strachan was in his early 20s when he left Grenock, Scotland, to join a brother in Buffalo, N. Y. Some five years later he joined Consolidated Aircraft Co. and made the move when the company transferred to San Diego.

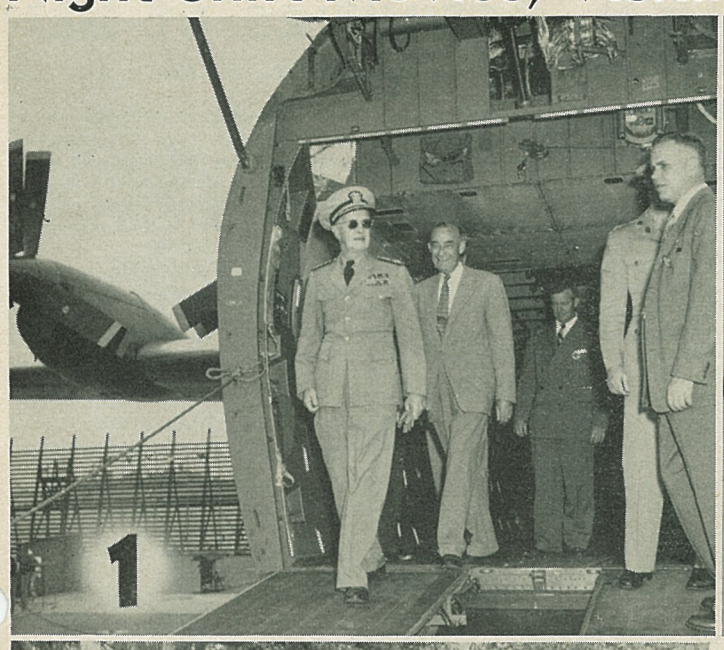
Strachan's mother and sister still live in Grenock and while both have visited Strachan in San Diego, this is his first return to Scotland.

Plant 2 friends staged a farewell party for Strachan at Lindbergh Field prior to his departure by air and as a gag presented him with a coonskin cap for his journey.

Mrs. Strachan, who remained behind, reported late last week that she talked with her husband via radio telephone shortly after his arrival in his old home town.

"He was as happy as a child with a new bicycle," she said.

Night Shift Movies, Visiting Braid, C-54 Job, Highlight Picture News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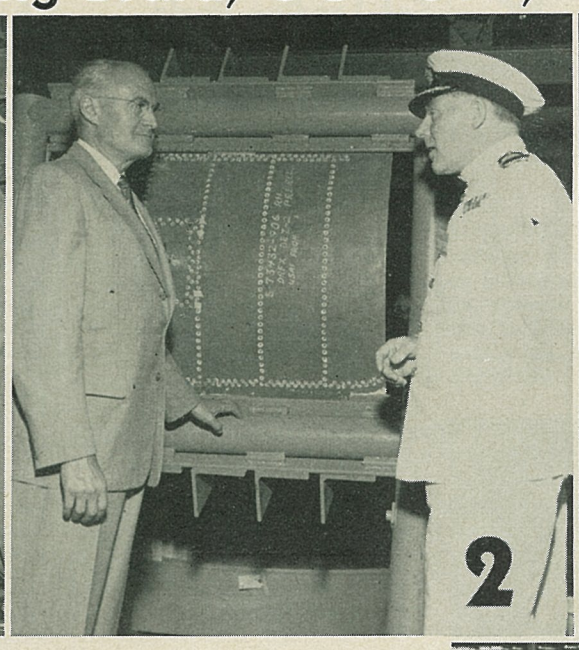
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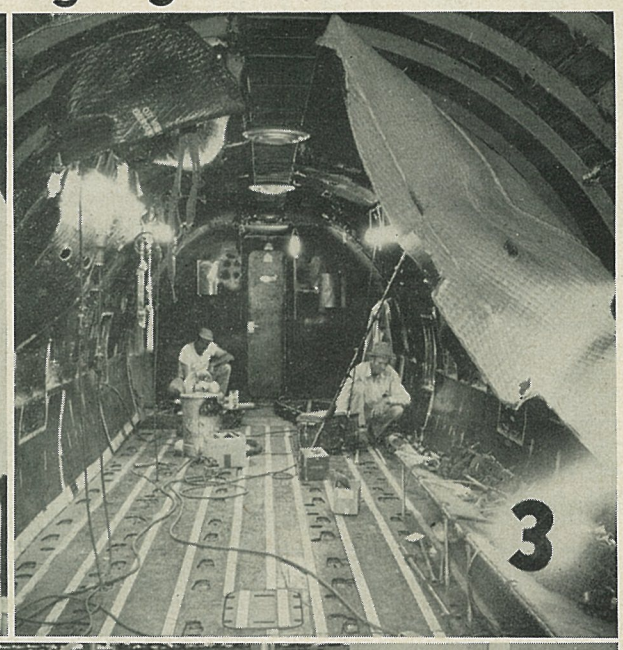
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No. 1. Adm. Robert B. Carney, Chief of Naval Operations, inspects R3Y bow loader during visit to San Diego. With him are Gen. Joseph T. McNarney, Convair president; Jerry Torrance, R3Y project engineer; R. C. Sebold, Convair vice president-engineering.

No. 2. Adm. L. B. Richardson, General Dynamics senior vice president and a former president of Institute of Aeronautical Sciences, chats with British Naval officer at Convair SD during recent visit of delegates who had been attending joint meeting of IAS and Royal Aeronautical Society at Los Angeles. They made field trip to San Diego.

No. 3. Conversion of C-54s into air rescue craft gets going at Fort Worth. Fred Austen and C. L. Hall of Dept. 65 are rewiring cabin. Fabric must be torn out to gain access to circuits.

No. 4. This was scene when hundreds from Plant 2 fabrication departments at San Diego held picnic at El Monte Park.

No. 5. Night shift movies are attracting 500 "customers" regularly at SD's Plant 2, Bldg. 2 where half-hour films are shown during lunch break. They are shown Tuesdays and Thursdays, with supervision operating the equipment.

No. 6. J. P. Strachan of SD Dept. 60, a Convair veteran from Buffalo days, gets sendoff before he left on vacation trip to his native Scotland. It is first trip back since he was a boy.

No. 7. Convair FW's Charles A. Keis with family. Son Tommy's touching tribute won father title of "Southwestern Navy Father of Year." Story on page 4.

No. 8. Representing "typical American family" for United Fund movie are M. H. Holloway, wife Carol and daughter Debbie, with Terry Lee Turner, daughter of L. L. Turner, and Chuck Morris, son of Everett Morris, all of Convair FW. Color film deals with benefits from United Fund.

No. 9. Supt. John Hopman got a surprise and a plaque at SD recently. Long associated with T-29 project, which is nearing a close, Hopman's plaque carries inscription: "Excellent leadership of an outstanding group." He is shown with members of T-29 supervision.

No. 10. Les Cozzens of SD Dept. 6, shown as he appears this week in Star-Light Opera role with Marilyn Wickstrom and Jeannine Fetterolf in "Wonderful Town." He also will have tenor lead in "Brigadoon."

No. 11. Typical of the scores within Convair who regularly create windfalls for themselves is John Arendall of FW material. His idea for a simpler form, submitted as an Employee Suggestion, came back with a $190 award!

No. 12. SD Photographer Dan Otto looks over the safety "headlines" at San Diego. Board carries number of days plant has operated without disabling accident, but when there is an accident it flips back to zero and "headlines" carry explanation. Highest total posted so far is 59 days, reached during a period in 1954.

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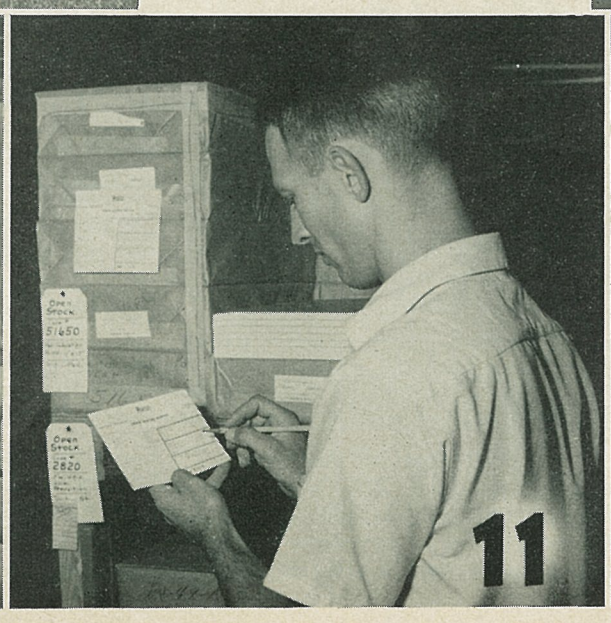
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★ ★ Rivets ★ ★

Marjorie Brawner of SD Dept. 3 is in the market for non-breaking window panes.

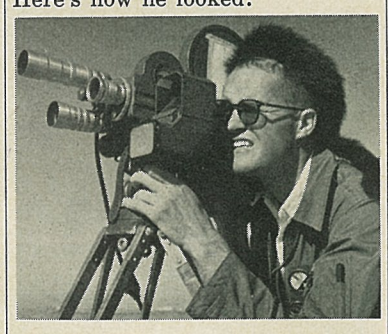
Not long ago her son, **Tommy**, 12, threw two strikes that went through the catcher in the front yard and left their marks on two different windows. Realizing that this is just one of the occupational hazards involved with boy children, Marjorie measured the windows and went to town to get replacements.

When she arrived back home she took one look at the house, took up the telephone and called her husband.

"Better bring home another pane of glass tonight. While I was gone we had another wild pitch!"

* * *

Mike Murphy, SD movie photographer who is somewhat thinly thatched on top, talked so much about fears of sunburn on a trip to shoot the F-102 at Edwards AFB that his associates bought him special headgear. Here's how he looked:



Mike might have picked up some burn on his face, but the top was safe!

* * *

One by one, members of Convair's colony at Holloman Air Force Base in New Mexico are going native.

Latest to succumb to the western influence and appear in western hats are: **W. F. Ashmore, E. O. Babb, T. J. Burger, J. D. Darsey, A. P. Ellison, D. A. Falls, H. H. Grogan, J. W. Harlow, C. R. O'Neal, W. W. Pentecost, V. K. Radohl, Dusty Rhodes, A. B. Treffer, E. C. Young.**

Three others have gone all the way and wear high heeled boots. They are: **J. N. Mattson, K. A. Swanson, P. L. Stephenson.**

Yippi!

SD Management Club Picnic to be Saturday

Something for all ages will be on the program Saturday (July 16) when the Convair SD Management Club holds its annual picnic from 9:30 a.m. to 9 p.m. at El Monte Park, Lakeside. The affair will have a western theme so ten gallon hats and jeans will be in style.

"There will be games and contests for kids and grownups and prizes galore," said B. R. Hisaw of the sponsoring plant engineering department.

Games and contests will occupy the morning hours with more games and dancing following a barbecue beef dinner. Youngsters under 12 will be admitted free.

Convair Engineers Give 'Q & A' Service

A number of Convair SD engineers this month volunteered for "question booth" service at the Southern California Exposition at Del Mar. They served at the Convair booth in four-hour shifts, answered questions from spectators, paying particular attention to those of high school age. The gesture was part of Convair's program to interest youths in engineering careers.

Among those volunteering were E. H. Davies, Mike Dublin, Orson Wade, Del Thomas, Bob Fefferman, Jim Piper and D. A. Graybill.

New SD Pistol Team To Represent Club

Convair SD Pistol Club named a new pistol team this month after scores for the past quarter were tabulated. Representing the club in competition during the next quarter will be Tom Little (Dept. 3), Jim Halfacre (Dept. 350), Joe Williamson (Dept. 401), Bill Geopfarth (Dept. 350) and Bill Dittmann (Dept. 6).

GARDENERS PLAN FOR NEXT SHOW

Convair SD Garden Club will hold a meeting at 7:30 p.m. today (July 13) at the Floral Building, Balboa Park, to discuss plans for the Aug. 14 dahlia, fruit and vegetable show. No meetings will be held during August or September.

Plant 1 Fabrication Makes Picnic Plans

Fabrication departments at Plant 1 were busy this week ironing out final details for their annual picnic scheduled for July 30 at El Monte Park, Lakeside.

Festivities begin at 10 a.m. and continue until 5 p.m. with games and prizes for all ages. Picnickers will bring their own lunches while additional refreshments will be served at the site.

SOFTBALL SCHEDULE

NATIONAL LEAGUE

Date	Time	Field	Team
July 15	6:30	Presidio	110 vs 558
July 15	8:15	Presidio	215 vs 31
July 15	6:30	Convair	55 vs 406
July 15	8:15	Convair	524 vs 522
July 20	6:30	Convair	52 vs 31
July 22	6:30	Presidio	70 vs 558
July 22	8:15	Presidio	406 vs 215
July 22	6:30	Convair	110 vs 522
July 22	8:15	Convair	55 vs 524
July 27	8:15	Convair	522 vs 70

AMERICAN LEAGUE

July 18	6:30	Cabrillo	App. vs. 603
July 18	8:15	Cabrillo	Elec. vs 11
July 18	6:30	Convair	8 vs 4
July 18	8:15	Convair	22 vs Mockup
July 20	8:15	Convair	Ramp vs Wing & Tail
July 25	6:30	Cabrillo	22 vs Ramp
July 25	8:15	Cabrillo	8 vs Wing & Tail
July 25	6:30	Convair	App. vs 4
July 25	8:15	Convair	11 vs 603
July 27	6:30	Convair	Elec. vs Mockup

Cozzens and Powell Get Leading Parts In Star-Light Opera

(For picture, see page 5)

Starlight Opera patrons will see a lot of at least two Convair SD employees during performances scheduled during coming summer months.

Les Cozzens of engineering is appearing in the current production of "Wonderful Town" which runs through Sunday (July 17) at Balboa Park Bowl. He sings the leading role of Robert Baker.

Cozzens will take the tenor lead in the local production of "Brigadoon" which opens an eight-night stand July 21.

John Powell of Dept. 524 is appearing in "Wonderful Town" and is scheduled for leads later this summer in "Kiss Me Kate" and "South Pacific."

Several other Convair SD employees appear in the cast of each show.

Attendance Off But CRA Will Continue With Bargain Films

Despite a drop in attendance during the past month, CRA at San Diego has decided to continue to sponsor bargain-rate movies each Tuesday night at the Rio Theatre.

Convair attendance at these 7 p.m. sessions each Tuesday has numbered over 300 at each of 24 performances. Employees, their families and guests are admitted at reduced rates (25 cents for adults, 10 cents for children 12 and under) upon presentation of Convair "ID" cards at the box office.

Tom Little Winner In .45 Match Shoot

Tom Little won the .45 match and placed second in the .22 match to lead Convair SD Pistol Clubbers at their June shoot.

J. R. Oliver placed second in the .45 event and took first in the .22 competition with J. M. Elliot topping the expert field, V. Leonhardi the sharpshooter class and R. P. Brungard the marksman class in .22 events.

Harrel Hurt Weds

Harrel Hurt (Dept. 9 at Convair SD) and Eion Richards were married in a double ring ceremony June 26 at the Pacific Beach Methodist Church. Jack Hurt (Dept. 6) brother of the groom, was best man. The newlyweds are back in San Diego this week following a honeymoon at Lake Arrowhead.

CRA COLOR GUARD ACHIEVES AWARD

Convair Riding Club's color guard representing Convair SD last week was awarded second place honors during judging of the July 4 parade at Coronado, Commissioner Marc Beresford said this week.

BEST DRESSED—Sartorially, the Apprentice nine at San Diego is one of sharpest in the league, thanks to snappy uniforms. Most of players are from tooling departments and Supt. R. S. Watt, far right, has been unofficial sponsor. Next to Watt is Manager Frank Eramo and at left is Jerry Churness, assistant manager. After winning seven straight in pre-season play, Apprentices were slaughtered by Mockup 17-0 in opening league game; but regained some of their dignity by defeating the Ramp 17-8 the following week.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays, 6 p.m., Kearney Mesa.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative, AT 1-4612 after 10 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., beginning ballroom; 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m. junior high teen-agers; 9 to 10, beginning all Latin.

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners. Summer league schedule: 6:30 p.m., Tuesdays and Wednesdays, Pacific Recreation; Thursdays, Victory Lanes; Fridays, Tower Bowl. Scratch Trio, 1:30 a.m., Wednesdays at Pacific Recreation for swing shift.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays, each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1501, Plant 1. Rehearsals discontinued until fall.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Regular meeting tonight, July 13, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1. CRA partnership golf sweepstakes La Jolla Country Club, July 23-24. Call ext. 541, Plant 2, to reserve starting times.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2 (second shift), commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot first Sunday of each month, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1710, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Special instruction restricted to Convair employees and their immediate families at Sonald Ice Skating Studio, 3464 Midway Drive. For further information call AC 2-4467 or visit studio.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free movies at CRA Clubhouse discontinued until fall. Bargain rates each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (July 14) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturday, beginners, 9 a.m. to 1 p.m.; intermediate 1 to 2 p.m.; advanced 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 507, Plant 2; (second shift), Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT 4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. Next boat trip July 16. Swim-dive July 17. Call Tom Simpson, HU 8-5923 (after 4 p.m.) for information.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner. Meetings discontinued until fall.

SWIMMING—Convair swim night for employees and their families, Saturday, Aug. 6, Mission Beach Plunge, 7 to 9:30 p.m.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Team match with Pomona players, July 16. Open singles championship tourney July 30. Entries close July 28.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodbury, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Free movies at CRA Clubhouse discontinued until fall.

Bargain-rate movies each Tuesday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, July 19: DIAL M FOR MURDER, Ray Milland, Grace Kelly. YANKEE PASHA, Jeff Chandler, Rhonda Fleming.

Tuesday, July 26: RHAPSODY (Technicolor), Elizabeth Taylor, Vittorio Gassman. THE BOY FROM OKLAHOMA (color), Will Rogers, Jr., Nancy Olson.

Skaters Ahoy!

Convair SD Ice Sessions Tried

Ice skaters at Convair SD will attempt to get back into regular operation during two private sessions planned tomorrow (July 14) at Sonald Ice Skating Studio, 3464 Midway Drive.

Second shifters will meet at 1:30 p.m. for a two-hour private skate period, while 6:30 to 8 p.m. has been reserved for first shift skaters. In both cases skaters may remain for the regular Sonald practice sessions at no extra charge.

"If sufficient interest is shown, efforts will be made to schedule regular private periods for CRA members," said Commissioner Bud Davies. "However, because of space restrictions we will limit each session to 35 people and reservations are required."

Reservations may be made by calling employee services office at ext. 1245, Plant 1.

Bass, Perch, Albacore Brought Aboard on Delta Diver Sea Trip

Convair's Delta Divers reported excellent results on their first ocean spearfishing jaunt of the year July 2 off Point Loma and Pacific Beach aboard Bob McClendon's 50-foot sailboat.

Bob Casebolt, Bob Hutson and McClendon boated sheephead, bass, halibut and perch in addition to a big Moray eel and several albacore.

Future trips are planned at two-week intervals beginning July 16 to sites from the Coronado jetties to Torrey Pines. Information about the trips may be obtained by calling Tom Simpson at HU 8-5923.

Next regular meeting of the group will be July 26 at the Natural History Museum, Balboa Park.

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Nicklin Captain for Skin Diving Meet

Chuck Nicklin served as captain of Convair SD's entry in the Southwest Regional Skin Diving meet held over the July 9 weekend at Casa de Manana, La Jolla.

Team members included Jim McGehee, Bob McClendon, Dave Englebretson, Dave Chambers and Bob Hutson.

Holloman's Sports Car Fans See Film

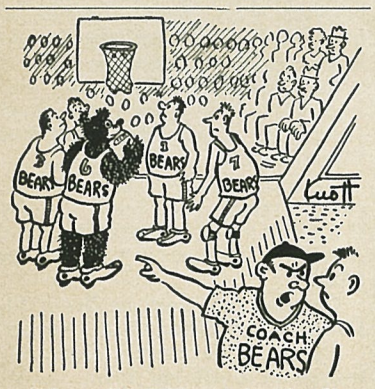
Sports cars enthusiasts among Convair's employees at Holloman Air Force Base, New Mexico, have been enjoying a series of films on sports car racing during the past weeks, according to R. G. Weir who heads the group.

Films shown included "Pan American Roadrace," 1954 "International Alpine Rallye" and the 1954 "Torrey Pines Races."

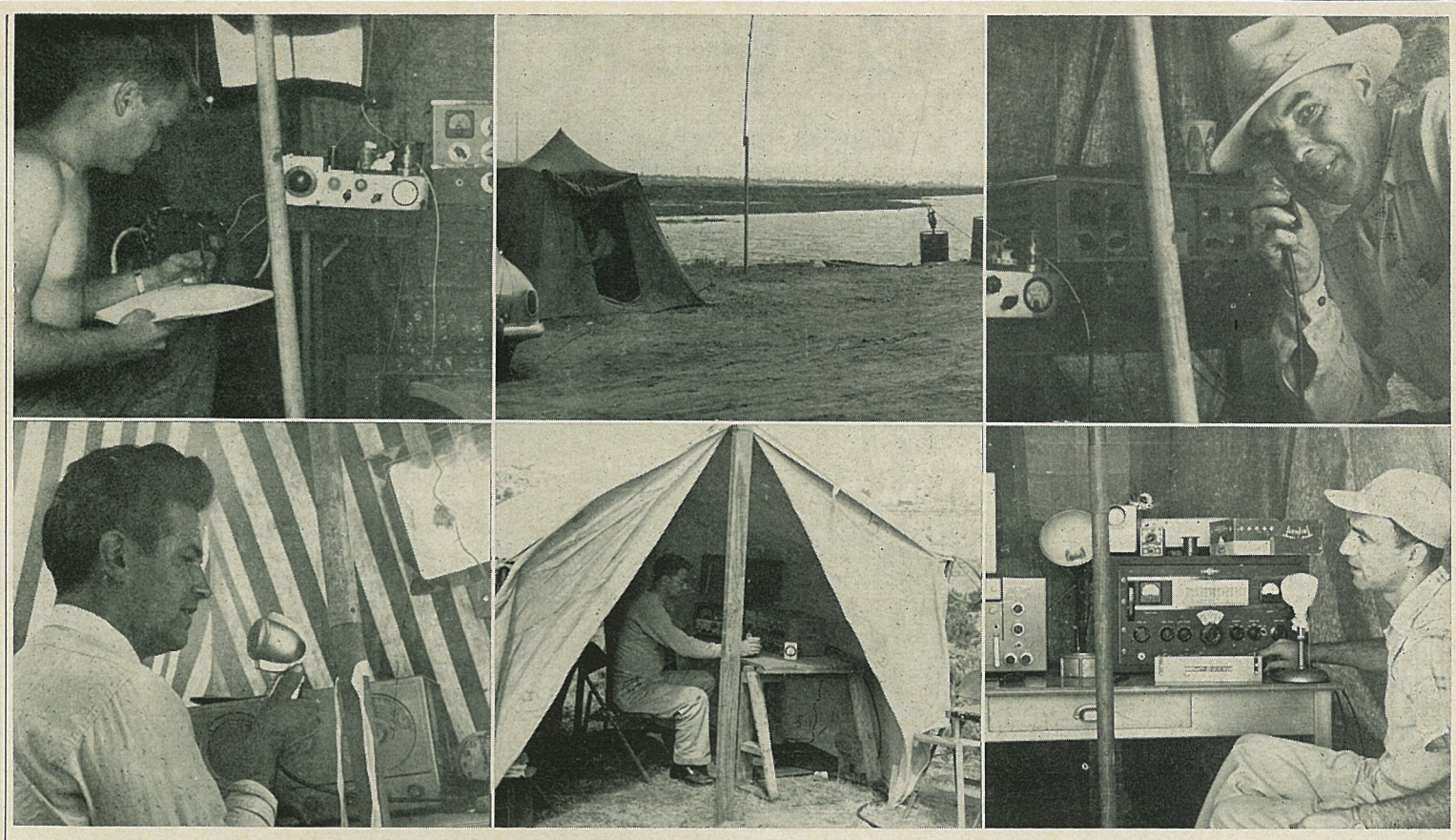
SD Little Leaguers In Hot Competition

Little League action at San Diego continued brisk last week with the Red Sox and Yanks leading the field.

The Red Sox beat the Yanks, 6-3, for their only defeat, while the Cards took a 5-2 game from the Sox for their lone loss. Other scores: Dodgers 5, Cards 4; Yanks 4, Cards 2; Red Sox 7, Dodgers 5; Red Sox 4, Cards 3 (2 extra innings); Yanks 5, Dodgers 4.



"How did HE get in the lineup?"



IN THE FIELD—CRA radio hams are shown in action during field day near Pike's airport. Top left is Henry Armstrong; top center shows camp on water's edge; top right is John Catterall manning 10-15 meter unit. Lower photos left to right: Roger Allen with 20 meter unit; Jess Baker on 75-80 meter rig; and Roger Bucaro with 40-meter.

CRA *Sports & Recreation* HIGHLIGHTS

Milt Wisdom Lands A Fish and a Car

The smallest catch ever recorded in a fishoff of the San Diego Yellowtail Derby was big enough for Convair's Milt Wisdom last month. So big, in fact, it won him the keys to a brand new car.

Wisdom's 15-pound, 15-ounce yellow was the largest of only two caught when 104 anglers took part in the Derby's second period fishoff June 29.

It was also the first year Wisdom had ever entered the Derby. He gained the fishoff after boating a qualifying fish weighing 26 pounds, six ounces earlier in the year.

Team Matches With Pomona and Tourney Ahead for Netters

Tennis players at Convair SD have two big events scheduled for July beginning with team matches against Convair Pomona Saturday (July 16) and running through the CRA men's singles championship scheduled for July 30.

Pomona is expected to field a strong team against a SD squad captained by Larry Chambers. Matches will be at Morley Field July 16.

Entries close July 28 for the annual SD plant singles event. Trophies will be awarded winners in both championship and consolation brackets.

Entries may be made by contacting Commissioner Chet Dutton, ext. 1287, Plant 1.

300 Women Attend Lecture Evening

Some 300 Convair women at San Diego gathered in the House of Hospitality, Balboa Park, on CRA ladies' night, July 5, to hear Allen Hughes discuss the art of interior decorating.

Interest with which the ladies received the presentation was indicated by the hearty question and answer period which followed Hughes' lecture.

Door prizes were awarded and refreshments served.

Rockhounds to Meet With Ryan and Rohr

Convair SD Rockhounds will hold a joint meeting with similar groups from Rohr and Ryan at 8 p.m. tomorrow (July 14) at the Natural History Museum, Balboa Park.

Awards will be made to outstanding individual displays of cabachons, according to Commissioner Danny Whorton. At the same time plans will be discussed for a future joint field trip by the groups.

Five Teams Loom as Potential Winners in SD Softball Leagues

Five teams loomed as potential winners in CRA's two plant softball leagues this week as play resumed after a week of practice rounds. City league teams moved into second half play trailing several front running nines.

Departments 70, 522 and 558 finished the first two weeks of play in the National league undefeated, while Mockup and Dept. 603 won two straight in American league action.

Convair's Eagles opened second half play in the AAA loop Monday after dropping four games by single runs during first half action. The Convair Liners in the Industrial league were only one game behind the pace setting Fire Department nine as the first half ended.

National league scores during the past two weeks were: Dept. 55, 7, Dept. 215, 0; Dept. 70, 10, Dept. 524, 7; Dept. 522, 11, Dept. 31, 2; Dept. 558, 13, Dept. 406, 2; Dept. 215, 7, Dept. 52, 0; Dept. 70, 4, Dept. 110, 2; Dept. 31, 8, Dept. 55, 8 (tie); Dept. 558, 11, Dept. 524, 4; Dept. 522, 16, Dept. 406, 13.

American league scores: Dept. 603, 7, Dept. 8, 3; Dept. 22, 11, Elect., 10; App., 17, Ramp, 8; Mockup, 17, Dept. 4, 5.

La Jolla CC Chosen For Next SD Sweeps

Convair SD par chasers will team up July 23-24 for the CRA partnership sweepstakes events slated for La Jolla Country Club.

Individual merchandise awards will be made to the eight teams with the lowest net totals. Starting times for either day may be reserved by calling ext. 541, Plant 2.

SD RADIO HAMS GET A WORKOUT

Amateur radio operators at Convair SD were on the air 16 hours June 25-26 during the annual field day activities of the American Radio Relay League before power failure forced them to suspend operations.

The annual exercise is designed to prove emergency powered equipment that could be used for Civil Defense, emergencies, etc., on a nation-wide scale.

Convair's entry (K6DBS) operated four locations ranging from 10-meters through 75-80 meters and made approximately 200 contacts before trouble with the power system developed.

Some 16 operators manned the stations with an additional 125 visitors looking over the site at Pike's Airport during the afternoon and evening June 25.

Fabrication Bowlers Outnumber All Others in SD Tuesday Loop

Mention spares or strikes around the fabrication area at Convair SD's Plant 1 and you're sure to strike up a conversation now that summer bowling activities have hit full swing.

That's because about 80 per cent of the keglers in CRA's Tuesday loop at Pacific Recreation hail from that general area, thanks to some fine organizing at the start of the summer.

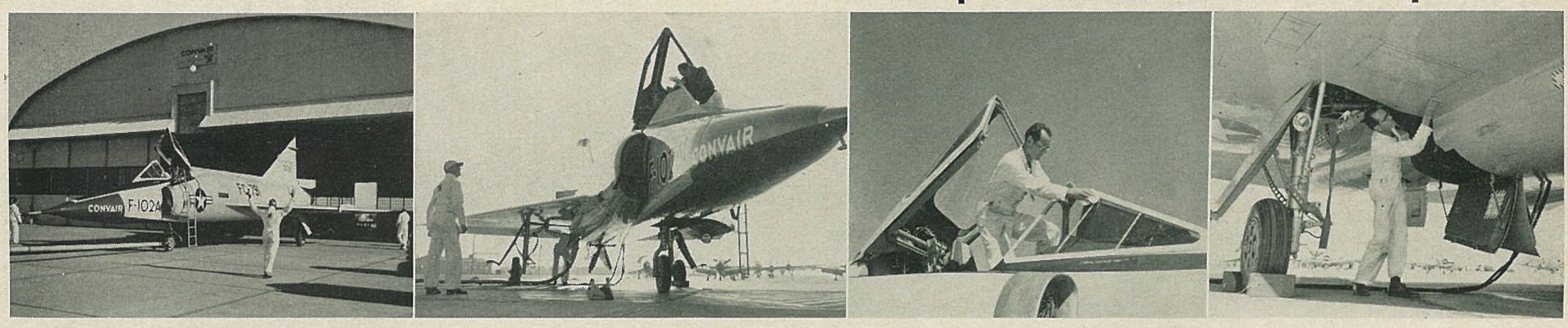
While about 70 per cent of the bowlers in the 10-team mixed league are beginners, they are veterans at heckling both at the bowling alley and at work.

Competition has been keen all summer and as the teams go into the stretch drive any one of nine quintets could emerge the winner. Handicaps tend to equalize the various teams although averages of individuals are very close (seven bowlers have averages less than 100, 10 average 115 or less and only six are averaging over 150).

"Everyone is having a wonderful time and we are seriously considering another 'fabrication league' during the longer winter bowling period," said J. F. Ames, one of the organizers of the loop.

SKIPPERS—Captains of teams in Tuesday night loop at Pacific Recreation take time out for photographer. Bulk of bowlers in league are from Plant I fabrication. Left to right, front row: Frankie Kruse, Mary Belcorta, Millie Simmons, Dorothy Carrao; back row: Frank Sceppe, Loyd Orr, Bill Salewski, George Blondin, Bob Minch, Al White.

First Production F-102A Goes For Trial Spin Before AF Acceptance



FIRST HOP—Getting the F-102A ready to fly is a little more complicated than starting up the family car. At left plane leaves hangar at Edwards AFB, while in next picture crew has hooked up temporary power lines. At right Bob Whited takes pains to clean windshield and rub off a smudge of oil.

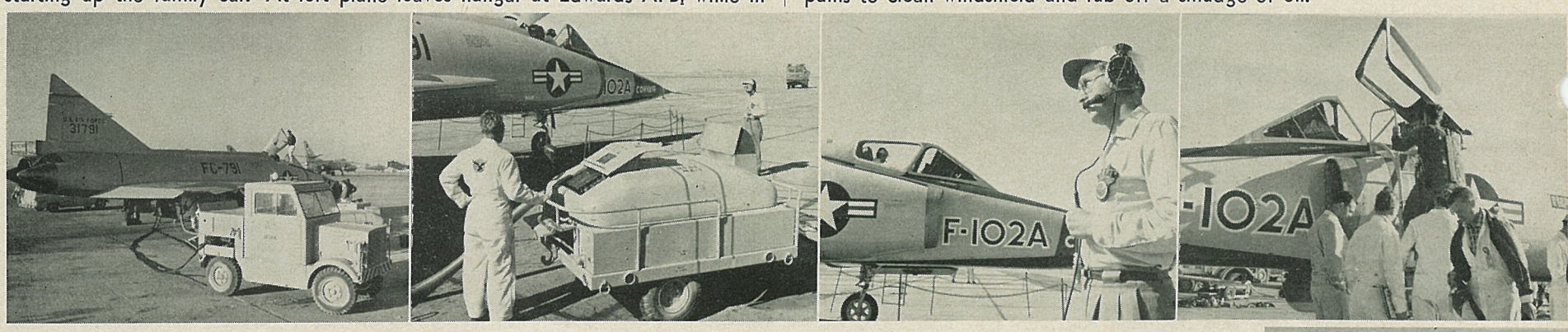


Photo at left shows plane hooked up to portable power supply which is used until engine is started and plane generates own. Next picture shows ground starter hooked up to plane. At right A. C. Oehler of SD experimental, on loan to Edwards, stands by during engine runs. At far right pilot climbs aboard. Next step is taxi run preparatory to takeoff.

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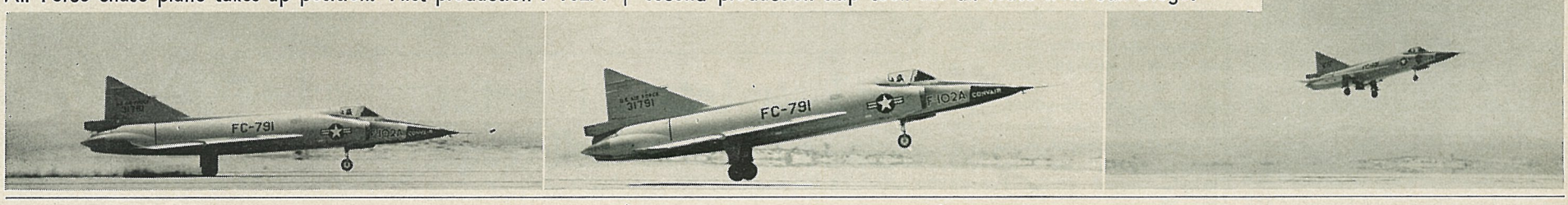
Up, up and away. F-102A lifts nose and heads for yonder, as Air Force chase plane takes up position. First production F-102A was accepted by Air Force recently at Edwards; and last week the second production ship took the air route from San Diego.



Change Proposed in Constitution Of Convair FW Management Club

Convair Fort Worth Management Club members will vote on proposed changes in the club's constitution at a meeting July 30 at Ridglea Country Club.

Copies of the constitution with proposed changes have been sent to members.

To round out the program, West Harrison, billed as the "Sound Man," will present his act. Using only his hands and mouth, Harrison will give his impressions of such things as "Convair at 3:45" and an "atomic bomb blast."

A buffet lunch will be served. Tickets are $1. Deadline for tickets is July 27. None will be sold at the club.

Members who wish to attend the meeting, but not the buffet, will be admitted on National Association of Foreman cards.

L. C. Calhoun, program chairman, announced a Management Club dance August 13 at Ridglea Country Club. Only 300 tickets will be sold. Tickets—$2.50 a couple—will be distributed to departments on a percentage basis of past participation. Further details will be announced later.

TWO WILL ATTEND FIREMEN'S MEET

Two Convair Fort Worth employees will attend the 26th annual Fireman's Training School this month at Texas A. & M. College.

They are Fire Chief C. H. Jones and Mason Lankford of process control. The latter is supervisor of communications for the training school.

Crash Fires in Jets Subject for Talk At Institute Meet

Convair Fort Worth members of the Texas Section of the Institute of the Aeronautical Sciences will hear a talk tonight, July 13, by I. Irving Pinkel on "Crash Fires in Jet Aircraft."

Pinkel is associate chief of the physics division of the National Advisory Committee for Aeronautics, Lewis Flight Propulsion Laboratory, Cleveland, Ohio.

He will describe the most recent jet airplane phase of the NACA's crash fire work. Colored movies and slides will be shown.

All IAS members and guests are invited to the meeting at 8 p.m. in the Engineering Auditorium at Arlington State College.

Secy. Thomas to Talk At Seawolf Launching

Secretary of the Navy Charles S. Thomas will be the main speaker when Electric Boat Division of General Dynamics Corporation launches the Navy's second nuclear-powered submarine, the Seawolf, July 21 at Groton, Conn.

Also participating in the ceremony will be Lewis L. Strauss, chairman of the Atomic Energy Commission; John Jay Hopkins, chairman and president of General Dynamics; and Francis K. McCune, vice president and general manager of General Electric Company's atomic products division.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

* * *

Charles Zachariah Sheppherd, Convair's most venerable citizen, celebrates his eighty-second birthday July 7.

* * *

Four-month job of giving Fort Worth plant a new coat of paint gets underway.

* * *

With July 4 falling on Tuesday, Convair Fort Worth shuts down for four-day weekend but works July 8 to make up lost day.

* * *

President LaMotte T. Cohu goes abroad to inspect British air developments.

* * *

Delegation of soaring enthusiasts from both Convair San Diego and Fort Worth (including SD's record holder, Bill Ivans) to enter Aug. 2 national soaring meet at Grand Prairie, Tex.

* * *

Convair men go along with B-36s on missions far over Pacific Ocean.

* * *

XC-99 drops in on Convair San Diego for first visit to "home town" in a long time.

New Model GRB-36 Awaits Flight Tests

(Continued from Page 1)

trapeze operator to perform the latching and unlatching.

They also are designed to improve the performance of the GRB-36 while it carries the RF-84F almost enclosed within the bomb bay section.

The tests will be conducted under all conditions which the GRB and jet plane pilots might face in actual combat. These will include launching and retrieving in day or night in all weather and at various altitudes.

One of the most intriguing—to the layman—is making such a "landing in the sky" in total darkness. And it has been done—and will be done again in the new tests.

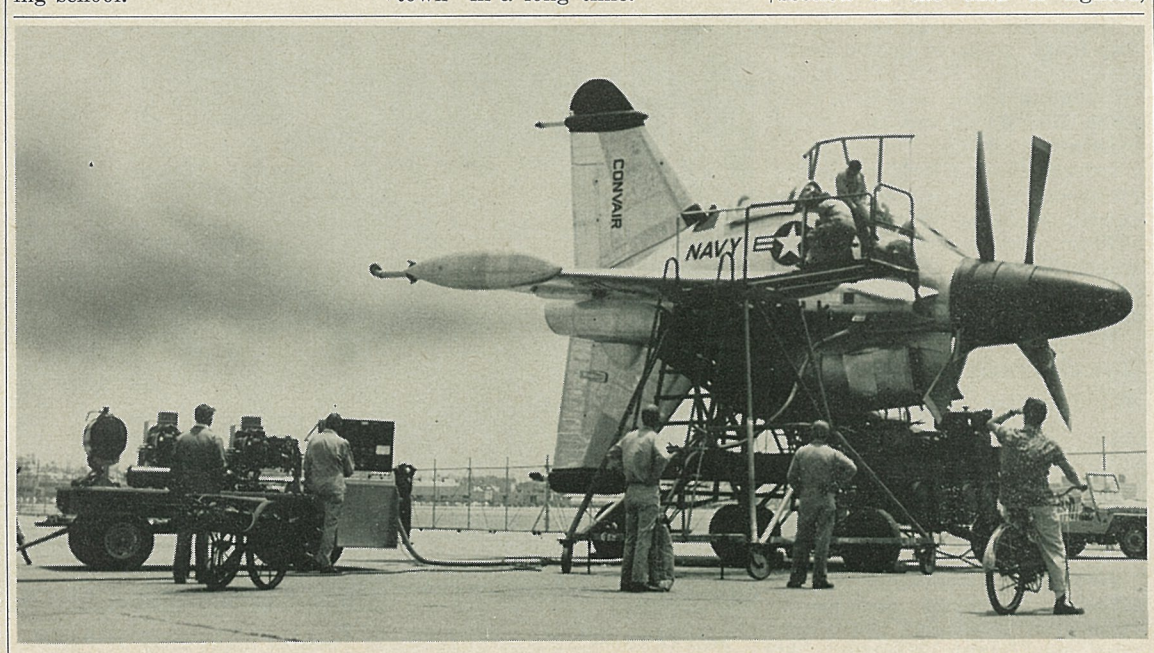
As explained by Erickson, the pilots of the two planes agree via radio to meet at a certain point at a certain altitude. When the fighter locates the GRB, the fighter pilot lines up his plane by watching the formation lights on the larger plane.

The interior of the bomb bay section of the GRB is lighted, and a special light points to the trapeze mechanism which the fighter pilot must engage. While adequately lighted for the purpose, the lighting is at the same time designed to provide as little help as possible to enemy ships which might happen to be in the neighborhood. In other respects, the night-time operation is like any other.

Convair hopes to make arrangements with the Air Force to return earlier GRB-36s to Fort Worth. They would then be altered to take advantage of all the latest improvements, including the new type trapeze and bomb bay fairing doors.

Basic aim of the GRB-36 program, as expressed by the Air Force, is to supply long-range and high speed reconnaissance with high chances that all personnel and equipment could return safely to base.

First GRB-36s put into action by the Air Force are in the 99th Strategic Reconnaissance Wing at Fairchild AF Base in Spokane, Wash. They are teamed with the RF-84F jet fighters of the 91st Strategic Reconnaissance Squadron at Great Falls AF Base, Montana **(Convairiety, March 23, 1955).**



IT'S THE NUTS—That dark cloud coming from XFY-1 (Pogo), believe it or not, is the result of walnut shells! Several gallons of finely crushed shells are run through turbos on occasion to clean out carbon, dirt, etc. Same system is used on R3Y and Sea-Dart when required—believe it or not.

New Class Offered In Radio Telephony

A new class will be offered Convair Fort Worth employees interested in getting commercial radio telephone licenses.

R. Roderick of Dept. 6-7 will instruct. The class will meet from 4 to 6 p.m. Tuesdays and Thursdays.

Cost is $7 for the 50-hour course plus the text, "Radio Operator's Questions and Answers Manual," which is $6.60.

Classes will meet in Room 21, Col. 146C on Mezz 15 at Convair.

Further information about the course is available from H. W. Johnson, Dept. 75, or Jess Butts, training section, ext. 5245.

Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere.

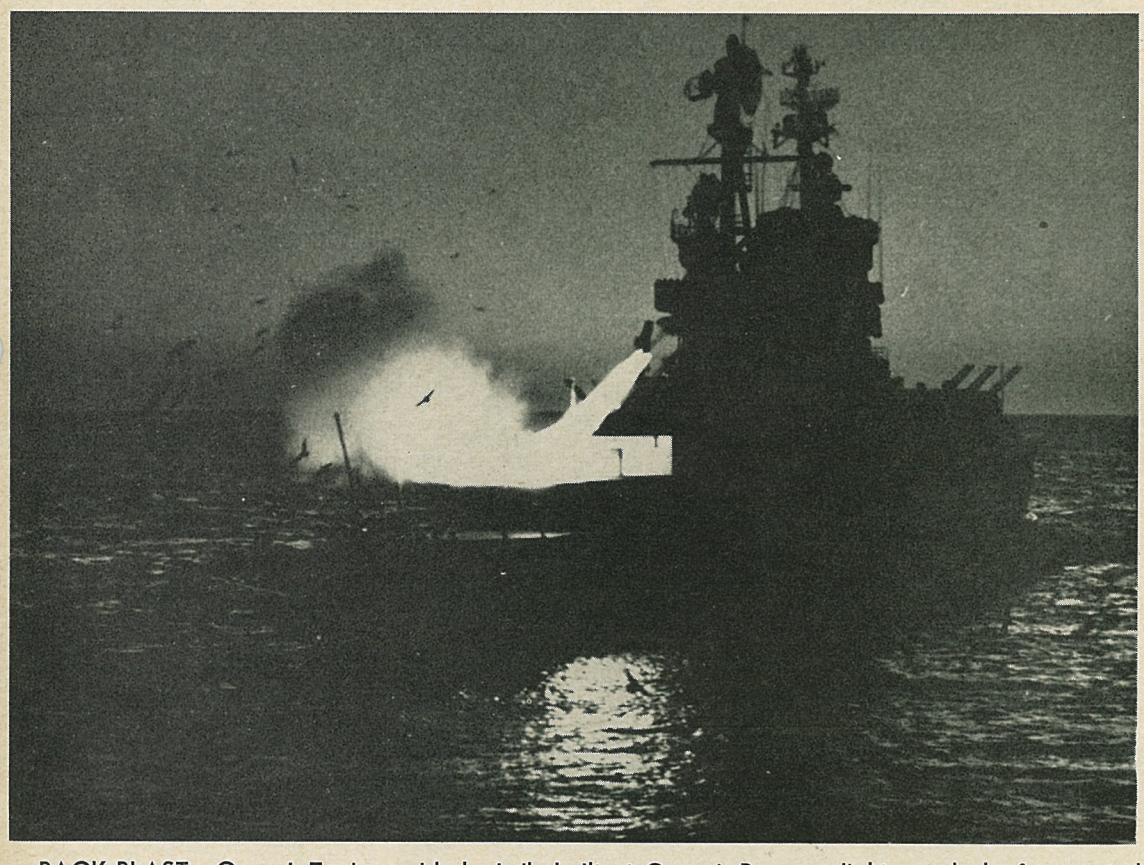
Convairiety

San Diego EDITION

San Diego news office: Building 32, ext. 1071

Vol. 8, No. 15 Wednesday, July 27, 1955

SAN DIEGO AND POMONA, CALIFORNIA 52 DAINGERFIELD AND FORT WORTH, TEXAS



BACK BLAST—Convair Terrier, guided missile built at Convair Pomona, lights up deck of converted battleship USS Mississippi in night firing off Atlantic coast. Gulls, following ship, were startled, but not harmed. Part of tail fin is silhouetted a few feet ahead of exhaust flame. More photos, page 8.

Terriers Chosen For Armament of First Two Missile Cruisers

The Terrier, anti-aircraft missile being built in quantity by Convair at the Pomona plant, drew national attention last week with the release of new photos by the Navy and a spread in Life Magazine.

Photographs showed the missile in both day and night action, launched from the deck of the converted battleship USS Mississippi during fleet exercises off the Atlantic coast.

Meanwhile, it was announced that the Marine Corps has selected the Terrier as its first anti-aircraft missile; and they will be the armament for the Navy's first two guided missile cruisers, the USS Boston and the USS Canberra.

Perhaps the gulls that follow the USS Mississippi are used to the noise and concussion of big guns. At any rate, they appeared startled but unharmed by the flaming trails left by the Terriers during launching.

The supersonic Terrier is rocket-propelled, is deadlier and has greater range than even the largest anti-aircraft guns. Its mission is to seek out and destroy

(Continued on Page 8)

Sea-Dart Goes To Model Meet

A Convair Sea-Dart, transported to Los Alamitos Naval Air Station by surface ship and highway, last week was a major attraction at the National Model Airplane Championships.

The delta wing craft was loaded aboard a Navy LST which took it as far as Seal Beach where it was offloaded for the trip to Los Alamitos. Appearing with it during the show was Convair Pilot B. J. Long, a Naval Reserve lieutenant.

Also on display were a number of models of Convair planes and a 56-inch model of the Terrier missile, the first time the latter has been shown to the public.

★ ★ ★

Fly-bys and Exhibits Seen For Air Show

Convair airplanes, both in true size and in miniature, will be on display Sept 3-5 at Philadelphia National Airport during the National Aircraft Show.

Convair's static display will include models of the Terrier missile, the F-102A, the B-36, T-29, R3Y-2, Sea-Dart and XFY-1. Additionally, the Air Force is planning both fly-bys and static display of the F-102, the XC-99 and the C-131C.

Sept. 17 and 18 Dates Chosen For Annual Circus-Picnic at SD

Circle Sept. 17 and 18 on your calendar!

Those are the dates set aside for the seventh annual Circus-Picnic staged by CRA at Convair San Diego. As usual, the show will be held on the Southern California Exposition grounds at Del Mar.

"'Carolina' and Jo Brunson of Hollywood have been working for the past year in securing the tops in entertainment for the show," Larry Roth, CRA president, said this week.

In addition, CRA has arranged for an extra big midway with rides for all ages. And there will be free prizes for youngsters and grownups alike.

SD Housekeeping Violations Fall

Housekeeping violations at Convair San Diego were the lowest in two years during June.

Average violation per employee was .007, a substantial drop from the .013 of the previous month.

Meanwhile, experimental under Supt. J. N. McPheeters led the way in June in both housekeeping and safety contests. It was experimental's first safety award this year but its fourth housekeeping citation.

Also tied for first in the housekeeping contest were fabrication, Plant 1; manufacturing control, Plant 2; electronics and field operations.

Fabrication, Plant 1; manufacturing control, Plant 1; material, R3Y final and major,

(Continued on Page 8)

Choice Opera Seats On Sale for Aug. 4

Bargain rate tickets to Convair SD "Opera Night" at Star-Light Opera continue to be available.

Tickets are being sold at $2 (regular rate $2.50) at employee services at both plants for the opening performance of "Kiss Me Kate," Thursday, Aug. 4 in Balboa Park Bowl. The evening is being sponsored by CRA.

General Dynamics Will Build $10 Million Lab

Dr. Frederic de Hoffmann, long associated with the U.S. atomic energy program, has been appointed a vice president of General Dynamics Corporation, John Jay Hopkins, chairman of the board and president, announced last week.

Dr. de Hoffmann, who has been assistant vice president for nuclear planning at Convair since April, will serve as general manager of General Dynamics' General Atomic Division.

Dr. de Hoffmann

Hopkins revealed that as part of a new long-range program of basic scientific research, engineering development and manufacturing in the nuclear field, the Dynamics Board of Directors has approved an initial outlay of $10 million for research laboratory facilities. The laboratory will be devoted primarily to nuclear research and development. Hopkins said that one of

(Continued on Page 2)

Perrine Back in Pomona Post

Charles D. Perrine Jr. is returning to Convair Pomona as assistant division manager—engineering, effective early in August, C. F. Horne, division manager, has announced.

Perrine held the same post until Sept. 1, 1954, when he left the company to become director of engineering for the Pacific Division of Bendix Aviation Corporation.

C. D. Perrine

George M. Robertson will retain the position of chief engineer of the Pomona Division, a post he has held for some time.

Perrine first joined Convair in October, 1950, as a staff assistant in the electronics and guidance section of engineering at Convair San Diego. He later became assistant chief engineer for electronics and missiles, and in September, 1952, was transferred to the Pomona division as assistant division manager.

Previously Perrine had been manager of the electronics department of Fairchild Engine and Airplane Corporation's guided missile division at Farmingdale, N. Y., and for eight years was associated with Hughes Aircraft Company, where he was manager of the firm's radio division. He was born in Corboda, Argentina, and is a graduate of California Institute of Technology.

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Two appointments were announced recently in the engineering department at Convair Pomona.

G. E. Sylvester has been named chief design engineer, and W. A. Stevenson has been appointed chief project engineer.

(Continued on Page 2)

Monday Last Day To Enter Children For Camp Sessions

Monday, Aug. 1, is the deadline for entering youngsters in the first of two Convair SD Management Club sponsored sessions at Camp Cuyamaca. Entries for the second session must be filed by Aug. 8.

First camp period is Aug. 15-19 and the second is Aug. 22-26. One hundred boys and girls between the ages of 8 and 13 will be accepted for each session. Total cost per camper is $13 plus a $1 health examination fee, if the services of a camp physician are used. The Management Club is paying transportation and insurance for Convair campers.

Application forms are available throughout both SD plants and further information may be obtained by calling Martha Woodberry, ext. 1245, Plant 1, or Helen Johnson, ext. 508, Plant 2.

First TF-102A Component Built At Fort Worth Sent to Coast

Dept. 41 crews at Fort Worth were bearing down on subsequent editions of TF-102A work at Convair Fort Worth this week after FW's shipset No. 1 was completed and shipped to San Diego.

Shipset No. 1 was pulled out of the mezzanine assembly area late Wednesday, July 13, and was moved on overhead monorail crane by traffic department to shipping section near the south end of the assembly building.

There, after the shipment was weighed, it was firmly secured to a truckbed and covered for the 1,428-mile trip to San Diego.

It left Fort Worth at 3:05 a.m. Thursday and arrived at San Diego at 11:05 p.m. Friday—well ahead of schedule. The shipment went almost immediately into work on the San Diego assembly line.

Going along to coordinate the transfer of work from Fort Worth plant to San Diego was Ray Kendall, TF-102 work general foreman, who had virtually lived with the job for several weeks.

The shipment left Fort Worth by Miller & Miller truck line, which carried it to Amarillo. From there, Hill Trucklines took it to Albuquerque. Illinois-California Express pulled it to Los Angeles, where California Cartage Co. took it for the last lap.

Numerous carriers were involved, according to Sam E. Keith Jr., chief of traffic, to comply with licensing requirements of Interstate Commerce Commission and the various states.

After the No. 1 set was shipped, work continued without interruption in Dept. 41 at Fort Worth.

Officially, Plant 2 Is Now AF Plant 61

Plant 2 at San Diego, so far as official correspondence goes, is now officially Air Force Plant 61.

The Air Force took legal title to the property June 16. For informal, intradvision reference, however, it will continue to be Plant 2.

Bloodmobile to Visit Tomorrow

Volunteer blood donors from Plant 2 will attempt to bring Convair San Diego's critically low blood supply up to normal during a visit of the San Diego Blood Bank Mobile Unit tomorrow (July 28).

The bloodmobile will operate in the north end of Building 2 between 10 a.m. and 2 p.m. and all departments at Plant 2 will be solicited for volunteer donors.

Convair's reserve has been dangerously low for several months and a special visit of the bloodmobile last month produced only 105 pints. Some 150 pints are needed to handle normal demands until the next visit slated for Aug. 25. Second shift employees from all departments at Plant 1 will be given a chance to donate blood at that time.

30 Free Baseball Tickets on Block

Thirty free baseball tickets go on the block Friday (July 29) when CRA at San Diego holds its sixth drawing of the year.

Five tickets each (three to one winner, two to another) for the July 30 and Aug. 2 and 3 games with Seattle will be given away as well as a like number for the Aug. 4-5-6 games with Los Angeles.

Deadline for entering is 3:30 p.m. July 29. Enter by listing name, clock, department and plant extension numbers on a slip of paper and leaving it in boxes located at employee services office at both plants or Convairiety office, Bldg. 32, Plant 1.

Log Book Entries

Service Emblems

SAN DIEGO

Service emblems due during the period July 16 through July 31:

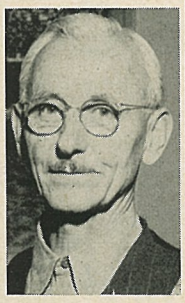
Thirty-year: Dept. 31, F. A. Scrivani.

Twenty-five-year: Dept. 1-31, H. G. Golem.

Twenty-year: Dept. 14-0, F. P Field.

Fifteen-year: Dept. 3-0, T. W. Wills. Dept. 6, D. D. Claxton, A. R. Jensen, D. G. Moody, H. D. Musick. Dept. 24-1, E. H. Damarus, J. A. W. Hickman. Dept. 25-1, W. T. Collins, T. J. Cunnion Jr., H. E. Rolan. Dept. 28, G. W. Turner, G. C. Walsh.

Dept. 30, J. E. Cassidy. Dept. 31, W. E. Barnett, R. S. Bryan, J. E. Hampsten, P. R. Hoffman, Bernard Hurley, M. O. Martin, R. W. Menzie, H. W. W. Niermann, W. C. Pahl, V. H. Schade.



O. H. Funke of Dept. 102 at San Diego is the latest Convair man to become eligible for Quarter Century of Service honors.

Dept. 40, C. E. Parsons. Dept. 55, K. R. Erb, T. R. McDaniel, J. R. Mikulsky, Archie Stirling Jr. Dept. 70, H. F. Horan, R. M. Joseph. Dept. 101, S. B. Radford. Dept. 203, K. W. Richey. Dept. 300, C. C. Baker. Dept. 401, J. L. Cortez. Dept. 406, B. L. Creason. Dept. 528-3, F. B. Shockley. Dept. 603-2, M. A. Murphy, J. W. Thatcher.

Ten-year: Dept. 5, Glenys R. Sears. Dept. 6, Dora B. Burke, W. G. Roe, J. V. Wahl. Dept. 25-2, J. W. Ratz. Dept. 31, L. E. Boggs, C. H. Bunker, G. F. Hogan.

Dept. 70, W. H. Bowler, Tom Chong. Dept. 115, T. F. Doyle, G. W. Groff. Dept. 206, J. A. Scribner. Dept. 258, E. W. Leyva. Dept. 300, R. W. Dickenson. Dept. 524-1, E. R. Munson. Dept. 603, T. L. Baker, J. J. Moore.

Five-year: Dept. 3, E. A. Ashmore, H. M. Reynolds, Jennell E. Summers, P. J. Ward. Dept. 4, F. M. Hart, R. V. Sinnott Jr. Dept. 5, R. E. Taft. Dept. 6, R. H. Adams, A. F. Burns, F.

These are new 15-year men at Pomona.

★ ★ ★

And these are SD men who are now wearing 15-year emblems.

T. Courtney, A. J. Edwards, J. C. Garoutte, R. L. Holt, C. L. McLaughlin, R. H. Meleney, R. R. Rote, G. E. Shields, George White, G. W. Wolfe.

Dept. 8, Lula L. White. Dept. 9, Carolyn C. Rodee. Dept. 14, V. L. Casner, Nadine Don Carlos, A. B. Hagen, F. C. Woods Jr. Dept. 22, Joseph Badami, J. L. Bershaw, M. S. Stepich. Dept. 24, B. J. Jeanes, Max Levenson.

Dept. 25, M. L. Bates, C. W. Furbish, W. E. Gilson, N. D. Hegwood, Mathieu Levy, B. W. Mills, E. H. Minder, Marie N. Moorey, Burton Salisbury, R. E. Wells. Dept. 28, J. W. Hayes, M. K. Kurtz, C. S. Kuykendall, J. A. Mullen, H. G. Noble, W. H. Winchell. Dept. 30, J. W. Fish, E. G. Israel, M. J. Iverson Jr., D. M. Knight, J. F. McConnehey, L. P. Orr.

Dept. 31, L. E. Roberts, W. J. Romo, J. L. Walter. Dept. 37, Samuel Duran, Raymond Galvan. Dept. 40, L. G. Kamin, F. G. Poirer. Dept. 43, E. L. Chapman. Dept. 46, G. W. Carter, F. B. Hasting, H. D. Stice.

Dept. 52, C. B. Moranville, O. A. Oldenburg, R. E. Sandoval, R. J. Sharp, C. D. Smith, E. D. Teel. Dept. 55, V. D. Ducheneaux, H. P. Enke, F. W. Patterson, W. F. Strickland. Dept. 60, H. D. Hix, L. R. House Jr., A. F. Tabeek.

Dept. 70, Adeline S. Barrett, R. D. Brumagim, C. E. Garner, D. L. McLoughlin, A. L. Nunez, Onnal Otey, C. M. Riggs, W. J. Shadduck, F. T. Torio, W. R. Walker.

Dept. 72, R. L. Beard, J. W. Clark, W. H. Cousineau, J. W. Hill, A. P. Medina, I. J. Watson Jr. Dept. 102, E. O. Bracamonte, D. D. Cosner, R. H. Graham, R. F. Murphy, A. F. O'Brien, Verna B. Salcedo. Dept. 206, M. P. Machado. Dept. 210, Lula W. Womack. Dept. 215, Josephine Wiencek.

Dept. 252, Betty R. Snyder. Dept. 255, Henry Hurley. Dept. 258, N. P. Sinner. Dept. 300, E. W. Mayfield, R. E. Vaughn. Dept. 350, G. W. Lancaster, L. C. Nardi. Dept. 375, E. T. Johnston.

Dept. 401, C. E. Kearley. Dept. 406, C. M. Harmon. Dept. 407, Paul Aller, B. R. Hudson, C. C. Shilling, J. H. Thomas, W. S. Wells. Dept. 522, Opal H. Ourette, Lovella F. Schools, B. L. Simpson.

Dept. 524, E. A. Harvey, R. S. Shafer. Dept. 528, R. L. Adams. Dept. 529, E. S. Sawyer, C. A. Stewart. Dept. 603, E. T. Lawson, R. C. Shelton, J. G. Slack.

POMONA

Fifteen-year: Dept. 14-2, R. L. Kinsey. Dept. 24-2, Clyde Timens.

Ten-year: Dept. 6-0, R. F. Bryan.

Five-year: Dept. 6-0, J. W. Dalley, R. J. Martin Jr. Dept. 25-2, J. G. Frazier. Dept. 27-1, R. H. Ebeling. Dept. 72-0, E. E. Rawlins.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective July 11:

Dept. 1-16, General Office: To asst. to director of scientific research, H. Serbin (effective June 27).

Dept. 1-64, Dayton: To Dayton representative, R. C. Wills (effective June 27).

Dept. 6, Engineering: To group engineer, J. F. Woodall. To asst. project engineer, C. J. Kull, O. F. Oldendorph, M. J. Wells Jr.

Dept. 8-4, Systems & Procedures: To systems and procedures supervisor, J. P. Scheu.

Dept. 302, Model 8 Electronics: To foreman, O. E. Mecham.

Dept. 303, Model 8 Flight Test Operations: To material administrator (EAFB), M. P. Dominguez. To asst. foreman, 303-4, C. J. Mansfield, A. V. Martinez.

Dept. 313-5, Model 8 Flight Test Operations, Holloman: To asst. foreman, E. S. Williams.

Dept. 403, Tool & Die Shop: To asst. foreman, G. M. Churness.

POMONA

Dept. 6, Engineering: To technical group engineer, Dov Abramis. To design group engineer, J. L. Renbarger.

Dept. 23, Operations: To superintendent, L. J. Enfield, A. W. Hotchkiss.

Dept. 27, Quality Control: To inspection asst. supervisor, L. J. Loughran.

Dept. 31, Experimental: To asst. foreman, B. J. Rawson.

Dept. 51, Machine Shop: To general foreman, Angelo Costantino. To foreman, W. H. Govette Jr. To asst. foreman, L. A. Bomar, E. J. Jordan, W. C. Simpson.

Dept. 52, Sheet Metal: To foreman, R. H. Robbins.

Dept. 62, Final Assembly: To foreman, B. T. Griffin.

Personals

SAN DIEGO

We wish to thank our many friends for the flowers and their kind expressions of sympathy during our recent bereavement.

Letha and Oscar Miller
Mary and Bert Kamp

Births

SAN DIEGO

JETT—Susan, 4½ months old, became the daughter of Mr. and Mrs. R. W. Jett, Dept. 9-8 on July 11. (Mrs. Jett formerly Dept. 9.)

COCA BEACH, FLA.

HENNESSY—Son, Clark Edwin, 7 lbs. 12 oz., born July 8 to Mr. and Mrs. E. D. Hennessy, Dept. 343.

POMONA

DICKINSON—Daughter, Kittie Jo, 5 lbs. 15 oz., born July 12 to Mr. and Mrs. Robert W. Dickinson, Dept. 27.

New Research Laboratory in Prospect

(Continued from Page 1)

the main objectives of the new facilities will be to bring down reactor costs through simplified design and increased efficiency. This is in line with the corporation's expressed belief in the need for worldwide distribution of atomic power.

According to Dr. de Hoffmann, the research program and the laboratory will be under the direction of a prominent nuclear scientist. The actual construction of the laboratory is expected to be started before the end of the year.

Among the locations being considered for the laboratory is San Diego, Calif.

While each division will continue to do research appropriate to its own field, this basic research program, according to Hopkins, will benefit all divisions of General Dynamics. Last spring the corporation engaged a panel of leading scientific consultants, among them such well-known nuclear experts as Dr. Hans Bethe, Dr. Joseph Kennedy, Dr. Frederick Seitz, Dr. Edward Teller and Dr. John A. Wheeler. At that time another leading scientist, Dr. Charles L. Critchfield, was appointed director of scientific research for the Convair Division.

Currently Dr. de Hoffmann is en route to Geneva as a member of an international UN team of scientists who are organizing the "Atoms for Peace" conference. He is particularly noted for his work on the development of the atomic and thermo nuclear bombs and studies in nuclear reactor theory and high energy nuclear physics.

He was born in Vienna July 8, 1924, and came to the United States in 1941, where he received his bachelor's, master's and doctor's degrees in physics at Harvard University.

Typewriters Added To Salvage Items On Sale Tomorrow

Twenty-five usable typewriters and several used adding machines will go on sale tomorrow (July 28) during the regular sale hours of the Convair San Diego salvage yard.

"As usual, Convair employees will get first chance at these items," said R. H. Lange, salvage supervisor.

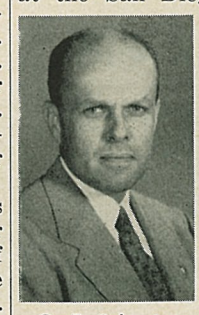
The typewriters will sell for $40 each, plus tax, for Royal, Remington, L. C. Smith and Underwood machines with 10, 12 and 14-inch carriages. All are in working condition. The adding machines will be priced according to condition.

Thursday salvage hours are between 3:30 and 5:30 p.m. Any items not sold Thursday will be offered Aug. 2 between 2 and 4:30 p.m. with the 2 to 3:30 p.m. period reserved for second shift employees.

Two Appointments Made in Pomona's Engineering Dept.

(Continued from Page 1)

Sylvester, who is an electrical engineering graduate of the University of Washington, joined Convair in 1940 as a draftsman at the San Diego Division. He



G. E. Sylvester

W. A. Stevenson

transferred to Convair Fort Worth in 1942 as a group engineer in electronics, later became a design specialist and then design group engineer. He became an assistant project engineer in 1949, and the same year was promoted to superintendent and was responsible for the organization and operation of two new factory departments. He was transferred to the Pomona Division in 1952 and became assistant chief engineer and senior project engineer.

Stevenson attended Stevens Institute of Technology in Hoboken, N. J., from 1939 to 1943, majoring in mathematics, physics and allied subjects. He attended Navy courses in electronics and radar at Massachusetts Institute of Technology and Harvard University in 1944. He joined Convair in 1950 as a design specialist at San Diego, became a senior electronics engineer in 1951, and research group engineer the same year. He joined Pomona in 1953 as staff assistant to the division manager, assigned to investigations of reliability on the Terrier missile, and the same year was appointed senior project engineer.

Convair Folk to Help in Fiesta

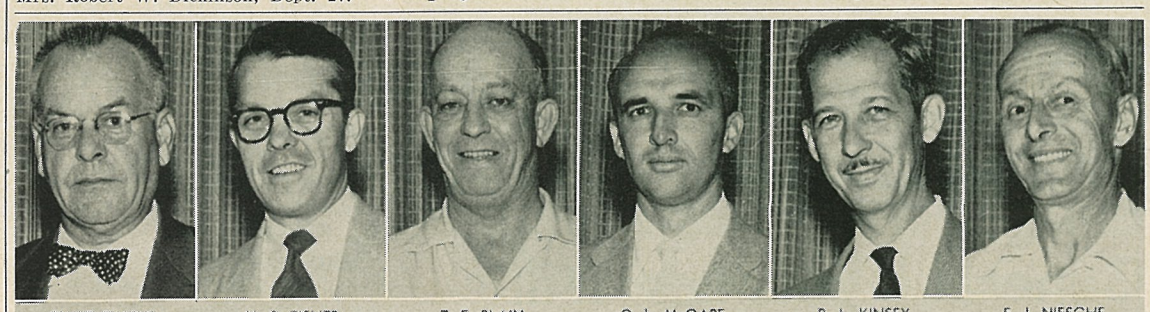
When the Valleydale community (near Azusa) has its annual Fiesta July 30-31, Convair Pomona people, especially CRA commissioners and members, will be much in evidence.

Frank Arellanes of Dept. 6 is chairman of the Valleydale Civic Council, which sponsors the event each year. Bob Judy of Dept. 6, CRA special activities commissioner, will share master of ceremonies duties with Bill Seeger, formerly of Dept. 6 and former special activities commissioner.

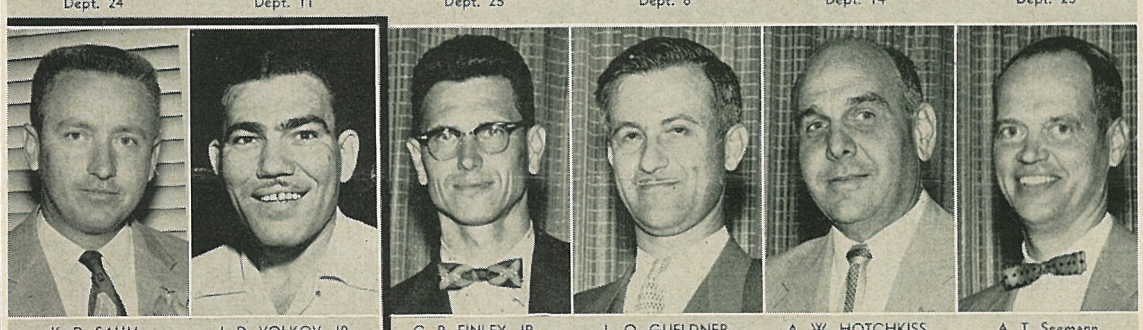
"Chief" Noah Bench of Dept. 6 will give demonstrations of Indian dancing, sign language and silversmithing, and Guy Maxwell will be in charge of a display from the CRA Archery Club. Herb Keller of Dept. 6, CRA Camera Club commissioner, will be present with a display from his activity. Chet Wheeless, CRA president and Square Dance commissioner, will be present with a demonstration team from the Convairiety Steppers.

"We are attempting to interest the younger people—and the older ones too—in our community in hobbies, and the CRA commissioners and other Convair people have been kind enough to help us out with demonstrations, etc." Arellanes said.

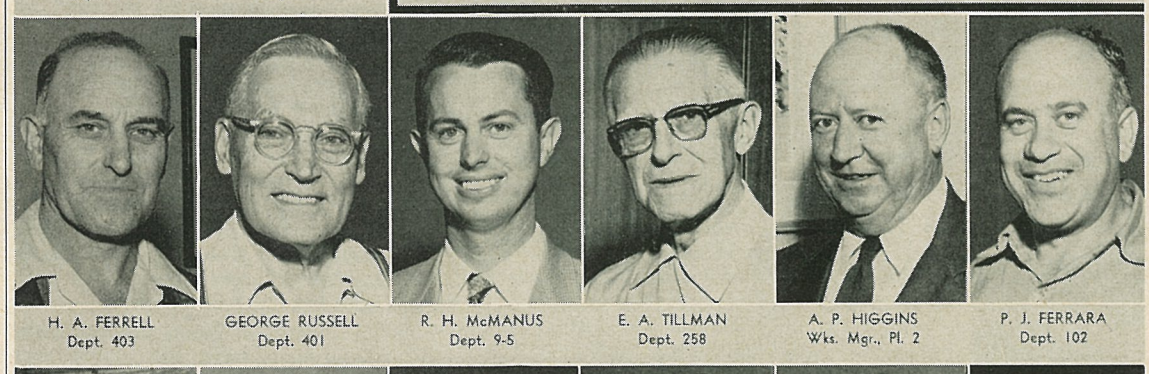
"We are also extending an invitation to all Convair people to attend. Our parade starts at 10 a.m., Saturday, July 30, at Arrow Highway and Azusa Ave."



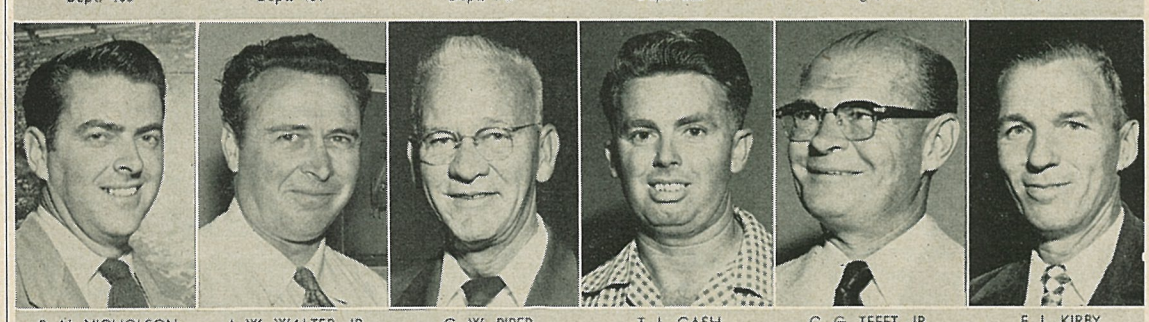
CLYDE TIMENS, Dept. 24 — M. P. FISHER, Dept. 11 — T. E. BLAIN, Dept. 25 — C. L. McCABE, Dept. 6 — R. L. KINSEY, Dept. 14 — F. J. NIESCHE, Dept. 25



K. D. SAUM, Dept. 8-4 — J. D. VOLKOV, JR., Dept. 60 — C. P. FINLEY, JR., Dept. 6 — L. O. GUELDNER, Dept. 6 — A. W. HOTCHKISS, Dept. 23 — A. T. Seemann, Dept. 23



H. A. FERRELL, Dept. 403 — GEORGE RUSSELL, Dept. 401 — R. H. McMANUS, Dept. 9-5 — E. A. TILLMAN, Dept. 258 — A. P. HIGGINS, Wks. Mgr., Pl. 2 — P. J. FERRARA, Dept. 102



R. H. NICHOLSON, Dept. 28-5 — I. W. WALTER, JR., Dept. 102 — C. W. PIPER, Dept. 350 — T. L. CASH, Dept. 28-6 — C. G. TEFFT, JR., Dept. 528-8 — E. L. KIRBY, Dept. 60

G. W. MARX, JR., Dept. 60 — R. M. WILLIAMS, JR., Dept. 11-2 — W. S. RYE, Dept. 202 — A. W. BONDERSON, Dept. 25-1 — F. A. YARICK, Dept. 350 — M. V. WISDOM, Dept. 3-4

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (if no answer, call 6278). Staff: James Combs, Jr., Elizabeth McCuistion.

Deaths

SAN DIEGO

ALLEN—Howard A., Dept. 215. Died July 9. Survived by wife, Mrs. Evelyn Allen; son, Howard Jr.; brother, Wilson O. Allen; two grandchildren.

MULVEHILL—Clement J., Dept. 115. Died July 13. Survived by wife, Mrs. Mildred Mulvehill.

SHERKENBACK—C. H., Dept. 350. Died July 18. Survived by sister, Anna Fassler, two brothers, John and William Sherkenback.

Review of Convair Aircraft Since '23 Reflects March of Aviation

Flying Boats Loomed Large In Early Days

Approximately 100 different types of aircraft have been built by Convair since the first wood, metal and fabric TW-3 was put together at East Greenwich, R.I. back in 1923, soon after Consolidated Aircraft was formed.

Most of these planes are shown in the accompanying "genealogy of Convair aircraft" recently brought up to date in this novel form by the general drafting section of engineering at Convair SD. Although restricted to our planes, the presentation is a graphic reminder of the march of aviation over the years.

Of the earlier planes, few were built in the numbers associated with modern production. The TW-3s, for example, numbered only 20. However, Consolidated's primary trainers (PTs) were considered the world's best by the services and foreign governments and some 470 were produced over a period of years.

Convair's total yearly business today is a far cry from the first year of Consolidated's operations. In that first year total sales were $211,000. Profit, incidentally, was $201.98!

Most successful line through the early years was flying boats, dating back to the XPY-1 "Admiral" of 1926. A 20-passenger version of the same ship, known as the "Commodores," kept the company in business during the dark days of the depression. A tri-motored seaplane called the XP2Y-1 followed and then the P2Y series and finally the XP3Y prototype of the famed "Catalina" (PBY) airplanes that blazed the way for Convair's vast wartime production 10 years later. Four-engined "Coronado" seaplanes followed still later.

Another significant airplane destined for a big future was the XB-24, developed from drawing board to first flight in just nine months. Some 14,000 aircraft based on this design were produced during the war years and the Air Force alone had 17 versions.

Convair's B-32 "Dominator" hit the Pacific war zones just before the fall of Japan. Considered the very latest in heavy bombers, the B-32 gave way to the B-36 two years later. Today, the huge bombers still hold a key position in our defense forces including a later version (GRB-36) which can launch and retrieve a jet fighter in flight.

All in all, Convair division set a remarkable pace for the aircraft industry during World War II, turning out 28,000 completed aircraft and approximately 5,000 more in the form of spares.

Commercially, Convair dates its aircraft back to early "Fleetsters," eight-passenger ships which also served as private planes and mail carriers. The Convair-Liner series (240 and 340) came into world prominence following the war.

Private flying remembers Convair products from early models of the "Fleet" (some are still flying) through the most popular private plane of the post-war period—the Stinson Voyager.

War planes bearing the Convair trademark have served the armed forces from the early XBY-1 dive bombers through the P-30 and the P-66 pursuit planes built for the Chinese. The A-35 "Vengeance" dive bomber was also a record maker.

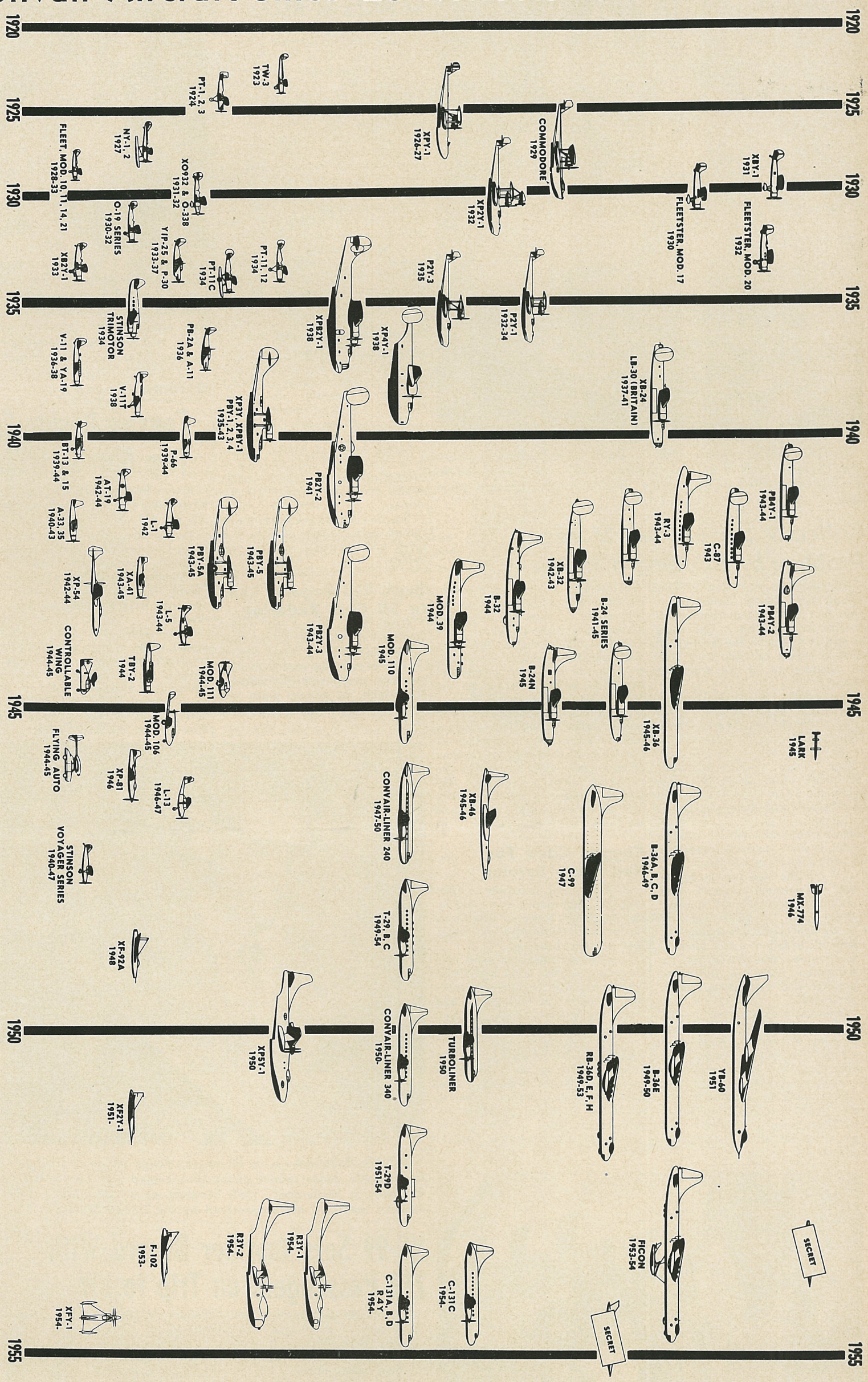
Liaison and observation aircraft have been important Convair products at various times from the days of the O-19 through others to the L-5 "Flying Jeep" of the war years and the post-war L-13.

Many Convair models were experimental and never advanced beyond test flights, such as the Model 39 airliner, a double-decked passenger carrier, the XP-81 equipped with both a turboprop engine and a pure jet engine, and the XB-46, a then modernistic four-engine jet bomber.

Some experimental planes were the forerunners of highly successful production models. The XF-92A was the world's first delta wing aircraft. From its delta design came the current F-102 interceptors, the XF2Y-1 "Sea Dart" and in part the XFY-1 "Pogo." The XP5Y-1 was the original airplane from which the R3Y "Tradewind" and the R3Y-2 "bow loader" was developed.

Recent production models might well be proving ideas that will be included on future aircraft like the C-131C turboprop transport and the C-131B electronic test bed.

Other ideas turned out to be real museum pieces, like the XP-54, a pusher type fighter with an elevator for entering and leaving the cockpit, (this mechanism also served as a catapult in emergencies); a pusher-type personal plane that looked like an auto (Model 111); and even a "Flying Auto" for highways and skyways. A controllable wing airplane with an auto-like body explored the possibilities of controls operating movable wings.



"Air armada" above covers over 25 years of aviation. Dates for most part refer to first flights.

☆ ☆ ☆

19-Year-Old Notice at SD Recalled

Nineteen years ago this month (July 15, 1936) R. H. Fleet, then president of Consolidated Aircraft Corp. posted this notice:

"We take pleasure in announcing receipt of an award of 51 flying boats from the U.S. Navy, aggregating a total of $5,485,115.

"Fifty of these boats are the same model as the 60 flying boats now in production. This order means that we have on our books the largest amount of unfilled business in our history . . .

"Of the 50 pursuit ships we have been building for the U.S. Army, 48 have already been delivered and the balance will be completed by the end of this month . . ."

ROCK HOUSE—Randy Wills of Dept. 6 at Pomona is shown with house he built of mineral specimens and semi-precious stones. Roof is of petrified wood. "Grass" is ground actinolite and green opal.

Collector Solves Rock Storage Problem by Building a 'House'

Convair Pomona's Randy Wills (Dept. 6) recently discovered a fact that most ardent rockhounds realize sooner or later. Collecting stones is a fascinating hobby, but over a period of time they tend to accumulate at an alarming rate.

But unlike many rockhounds, who either throw or give away less desirable specimens, Wills found a use for his. He built a house with them.

The "house" is approximately 14 inches long, about 10 inches wide, and 10 or 11 inches high. It is complete with fireplace, flower gardens and lawn, is equipped with a well, and even has a couple of "chickens"—natural formations of chalcedony—in the yard.

"I got the idea for the house last Christmas when I was making a gingerbread house," Wills said. "It took about 80 hours to build, working at around three hours at a stretch. Each stone was fitted for its particular place, in the same manner that real stone houses are built."

Shingles on the house, as well as the door and window frames, are made of petrified wood. Walls are made of jasper, agate, rhodonite, opal, fire opal, and many other types of stone. Grass in the yard is made of ground actinolite and green opal, and the path to the front door is of ground jasper, as is the "soil" in the flower gardens.

Flowers in the garden are formations of amethyst, and the entire house is mounted on plate glass. Only three pieces of wood are used in construction, and they are the rafters. All of the stones used in the house were collected by Wills on field trips to the Mojave desert.

Wills first became interested in rockhounding about two years ago, and has been a member of the CRA Rockhounds at Pomona since shortly after he joined the company about a year ago. He now has his own lapidary shop, and he is also making a movie of his field trips to the desert.

Coggan Cited For Red Cross Service

B. F. Coggan, manager at Convair SD, this month was cited by the American National Red Cross "in grateful recognition of volunteer services rendered."

Coggan served as national vice chairman for the 1955 Red Cross Campaign. He is currently serving on the board of directors and executive committee of the San Diego Chapter.

SHERROD ROTATED

E. F. Sherrod, assistant manager of contracts at SD, has been assigned to long range planning as acting program planning administrator, July 11-Sept. 30, in an executive development assignment.

ALL ABOARD—This was crew on acceptance flight of first Navy R4Y airplane at San Diego. Reading from top, Capt. F. K. Slason, BuAer representative at SD; Lcdr. G. M. Evans, BUAer pilot; C. L. Johnson, Dept. 300 SD, flight engineer; and H. F. Hopkins, Dept. 375, radio operator.

CONVAIR SONS HIKE 52 MILES IN WEEK

Twenty-one youngsters, most of them sons of Convair SD employees, were back in town this week recalling happenings during an eight-day trip to Sequoia National Park early this month.

The trip was sponsored jointly by CRA and the Convair SD Management Club through Air Explorer Squadron 340. The trip originated and terminated at San Diego with six days spent hiking in the park.

The boys covered 52 miles and hiked over a 10,800-foot pass during the course of their trip.

Advisors making the trip included Andy Drollinger, Ralph Moseley, Don Dreyer and Leon Cooley, all of Dept. 6 at San Diego.

New Type of Coffee Machines Appear

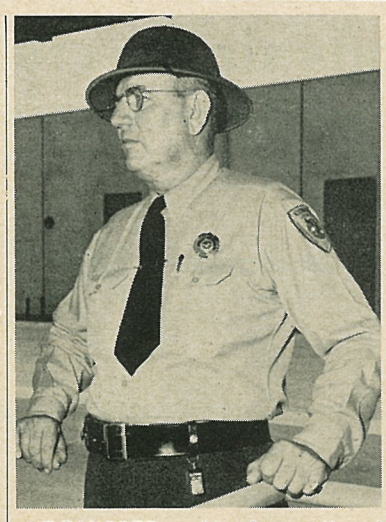
A battery of 60 new automatic coffee machines made their appearance recently throughout Plants 1 and 2 at Convair SD.

The machines are the latest type and are designed to provide a better blend of instant coffee in a variety of combinations to satisfy all tastes. Hot chocolate is also dispensed through the machines.

The new coffee machines follow recent installations of new soft drink and cigarette vending machines.

Dept. 225 Regains Lead In SD Cost Reducing

Dept. 225 (tubing and cable) regained its position at the head of the pack during June, figures in the continuing cost reduction program at Convair SD indicated this week. In second place was Dept. 202 with Dept. 203 ranking third.



EQUIPPED — Neither a "mad dog, nor an Englishman," Pomona Guard Casey Folkner nevertheless goes out in the mid-day sun. He's well equipped, as are rest of force, with pith helmet and light uniform. Hat is recent addition.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

* * *

XP5Y-1 up two hours, 20 minutes, on sixth test flight at SD.

* * *

President Peron on hand for inauguration of Convair-Liner service in Argentina and celebration near Buenos Aires.

* * *

Employment steps up at San Diego as B-36 work gets into full swing. About half of plant (4,000) on ten-hour day.

* * *

Convair men among first to be called to colors in Korean emergency.

* * *

Test flying starts for first Convair-Liner equipped with integral extra fuel tanks. Planes will go to Indonesian Airlines.

* * *

First conversion of B-36A to RB-36 completed at FW.

Germany-Bound

Convair Design Engineer Wins Trip Abroad With $1 Glider

From Fort Worth, Texas, to Frankfurt, Germany, and return. All for $1!

That's the story Jesse Shepherd, Convair Fort Worth design engineer, can tell this week.

Shepherd will go to Germany this fall on a "ticket" he won with a glider he built for $1.

The glider—and Shepherd's model skill—won him a place in international model plane competition to be held Sept. 3-5 in Germany. Shepherd will go as an alternate or "proxy" flyer. Transportation will be provided free by the U.S. Air Force.

He won his place in regional glider flying competition.

Although a veteran of many years of model building and flying, this is the first time for Shepherd to move into international circles.

Shepherd's job at the international meet will be to serve as an alternate for the four-man team representing the United States. Or he may be chosen to fly a plane of some other country unable to send their own entrants.

(Models are Shepherd's first love—both on the job and off. At Convair FW he works on research models for wind tunnel tests.)

During the regional finals held in Arlington, Texas, this month, Shepherd's glider soared out of sight.

Friends, strategically stationed in cars, finally spotted the wayward glider. But not before a cow had munched a good part of the wing.

"It was a lost cause," said Shepherd, "but luckily I had another plane with me so I could finish the meet."

The ship that Shepherd flew was made of balsa and a Japanese made tissue—similar to tissue wrapping paper—but considerably stronger. It had a 60-inch wing span.

For the uninitiated, gliders are launched at the end of a string as are kites. The flyer runs until the plane is airborne. Then it's at the fate of the winds.

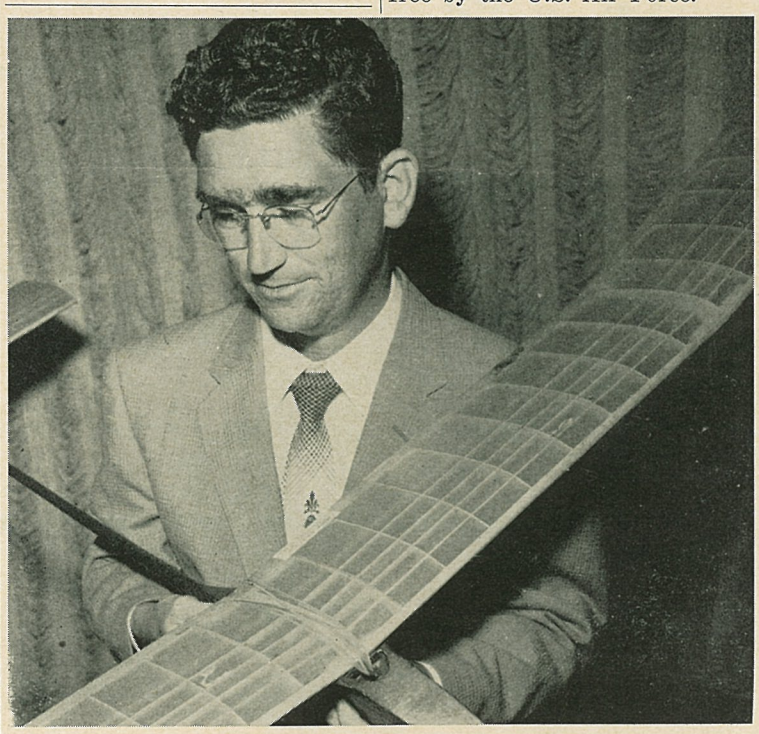
"It usually does all right—unless, of course, you hit a downward air current.

"Otherwise, a glider will stay up almost indefinitely, unless you control it," said Shepherd.

Controlling the glider is relatively simple. A special fuse is built in the tail of the ship. The fuse burns a string that holds the tail. When the tail goes down, the plane floats down like a parachute.

Most flights are planned for about three minutes. But if something happens to the fuse—and the tail doesn't drop—the plane may stay up for hours and wind up miles and miles away.

"Then you start building another plane," said Shepherd. "Or get yourself a new hobby."



MODEL BUILDER—Jesse Shepherd, design engineer at Convair Fort Worth, holds model glider that helped win him a trip to Germany in September. He'll compete as an alternate in international modelers' meet sponsored by the United States.

XC-99 Sets Another Record With 212 Passengers on Trip to FW

The XC-99 set another record this month on a "routine" trip to Convair Fort Worth. It was a new passenger-carrying record for land-based planes.

The Air Force transport landed at Convair July 12 with 212 persons aboard—college Air Force ROTC students in summer camp at Kelly Air Force Base.

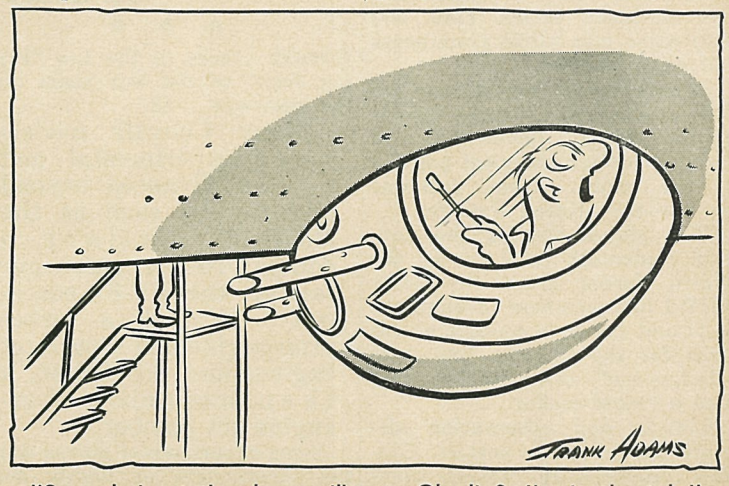
(On the flight, only the upper deck of the double-decked transport was used. Actually, the Convair built ship has a design capacity of 400 passengers.)

After inspecting Convair, the cadets flew back to San Antonio that afternoon.

An experimental transport version of the B-36, the XC-99 for the past five years has been hauling high priority cargo for the Air Force in an extensive evaluation program.

During that time, it has set at least 21 international records for cargo-carrying aircraft. It once hauled a payload of 104,000 pounds.

The transport has logged 5,000 hours in the air, believed to be an all-time record for an experimental airplane.



"See who's at the door, will you, Charlie? I'm in the tub."

No. 1. Var Saunders of Pomona Management Club shown presenting trophy to Padres' shortstop Buddy Peterson at San Diego as team's most inspiring leader. Club tried to make award when Padres played Hollywood on latter's home field, but Stars objected; so Saunders traveled to Lane Field.

No. 2. United Air Lines is equipping its Convair-Liner fleet with new type radar. Nose of model 340 has been extended 28½ inches to house antenna and gear mechanism.

No. 3. John Jay Hopkins left, founder and chairman of International Golf Association, and President of the United States Dwight D. Eisenhower welcome golfers of 25 nations at a White House reception prior to Canada Cup and International Cup competition.

No. 4. L. E. Wilson of FW Dept. 25-3 grew this whopping big (34-inch) okra at his River Oaks home. It grew four inches a day!

No. 5. This was San Diego crew that went back to Wright-Patterson AFB to assemble an F-102 there for static testing. It was first plane to be assembled away from home.

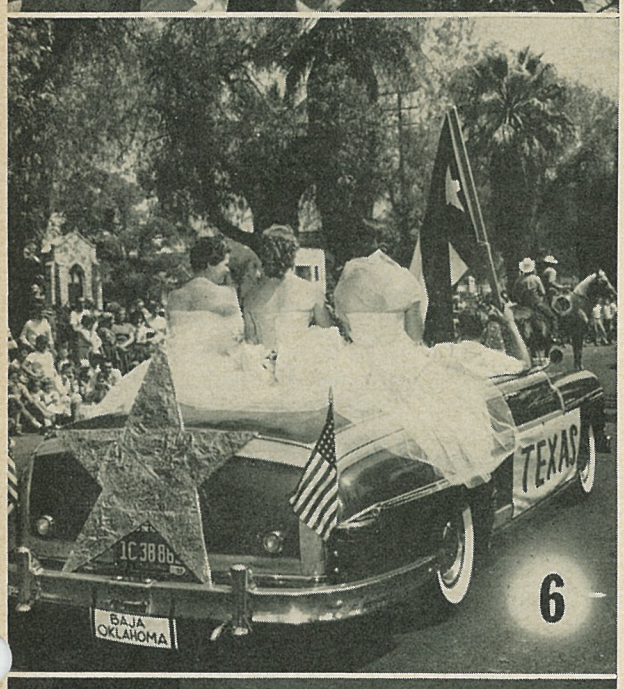
No. 6. Car representing Texas in All States parade in Ontario, Calif., driven by Pomona's Bob Judy, carried rear sign that almost got him "lynched." He pleaded not guilty and escaped unharmed.

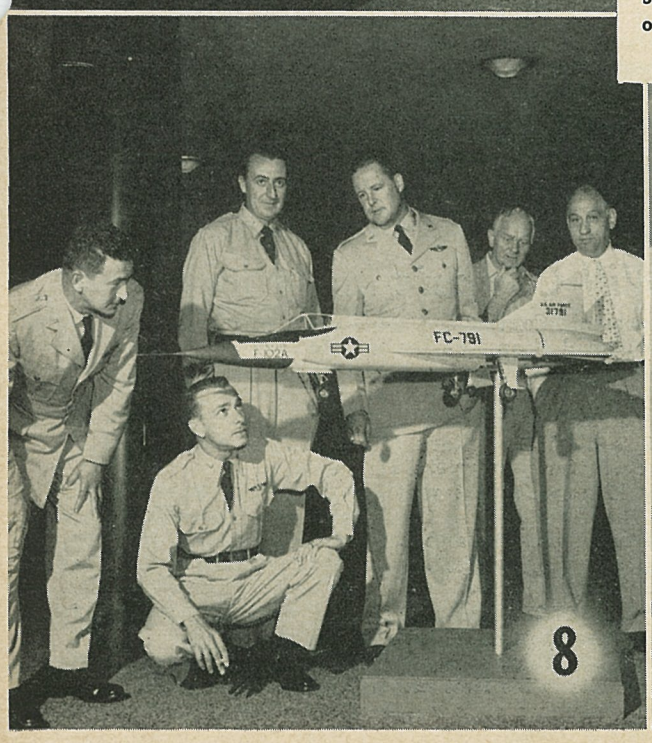
No. 7. When YC-131C came home to Fort Worth this was welcoming scene. Left to right: E. E. Finch, modernization manager; V. Dolson, development manager; Brig. Gen. B. E. Allen, Lt. Col. L. J. Hutton, AF plant rep.; W. A. Clegern, San Antonio office manager; B. G. Reed, assistant FW manager.

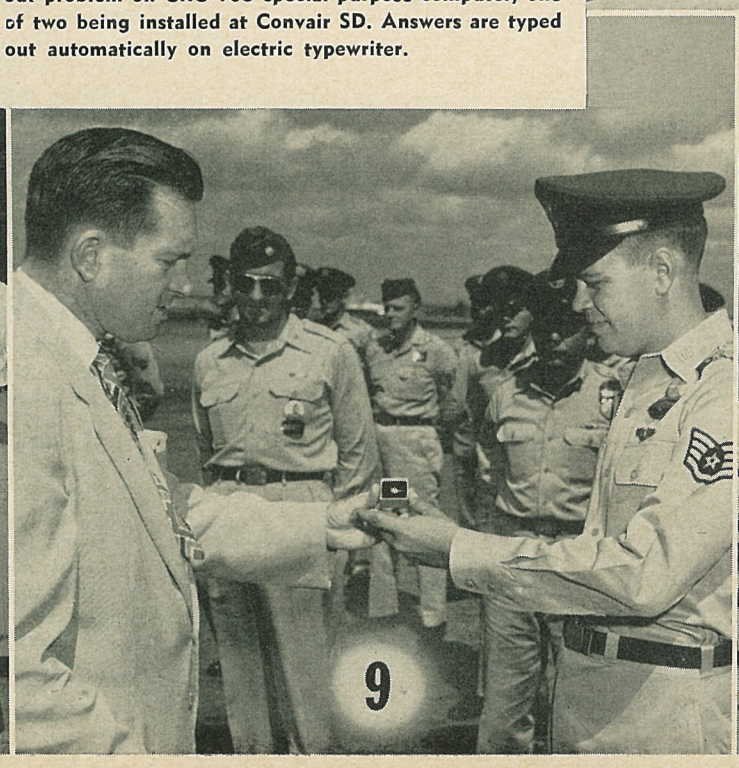
No. 8. A model of the F-102A, supplied by Convair public relations, drew some close attention recently when it was on display in the concourse of the Pentagon Building in Washington, D.C.

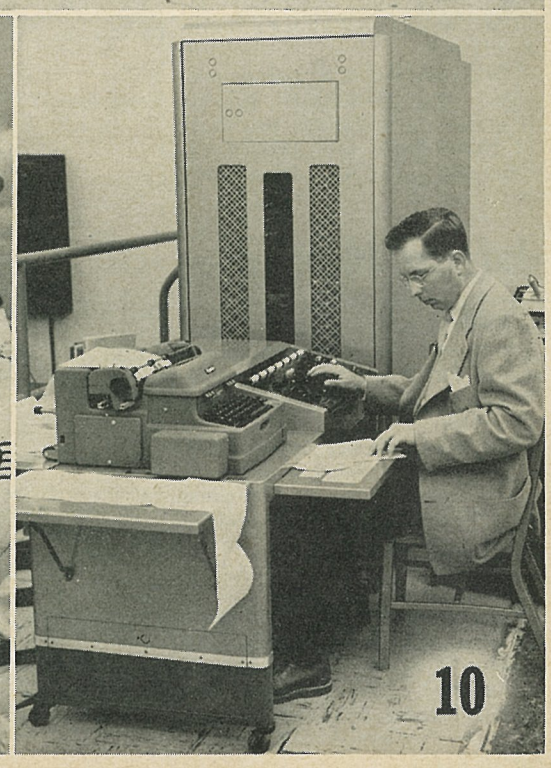
No. 9. First man to fly 2,500 hours in an experimental aircraft—AF's XC-99, built by Convair—is Staff Sgt. Gerald R. Petty, shown receiving special Convair pin from W. A. Clegern, Convair San Antonio manager.

No. 10. S. T. Paine, SD research engineer, works out problem on CRC-105 special purpose computer, one of two being installed at Convair SD. Answers are typed out automatically on electric typewriter.









HONORS FOR CRA—In center photo Larry Roth, left, current CRA president, presents gift to Gil Crosthwaite, retiring prexy, at annual dinner for CRA Council. Top center shows speakers table with, left to right, Mr. and Mrs. Roth, Gen. Joseph T. McNarney, B. F. Coggan, Mrs. Coggan, D. C. Wilkens Jr. Top right shows Mr. and Mrs. J. V. Naish, Mr. and Mrs. R. H. Biron and the Roths. Top left, Mrs. E. H. Davies, Mr. and Mrs. Crosthwaite, Mr. and Mrs. J. K. Field.

CRA Leaders Praised For Benefits to Convair

Recreation at Convair San Diego helps produce a priceless tool necessary in the job of producing weapons for defense, Convair President Joseph T. McNarney said this month.

Speaking before a dinner party at Manor Hotel to honor CRA and its employee council, McNarney outlined the current world situation and explained that upon Convair employees rests a major responsibility to design and produce weapons at the lowest possible cost.

"This can't be done with slide rules, drills or machines alone but must depend greatly on happy hands with a sense of responsibility," McNarney said. "These are the tools we can't buy—they're not for sale!

"But you of CRA have been a major factor in providing play both in and out of the plant. You deserve most of the credit for supplying this tool," he added.

McNarney commented on CRA's many activities and complimented the council's planning for a new and bigger recreation area (at Gillespie Field) in the near future.

Earlier B. F. Coggan, manager at San Diego, described CRA as one of the most important functions at San Diego, adding that people who relax and play together work together more smoothly.

CRA President Larry Roth presented the traditional gift—a shotgun — to retiring president Gil Crosthwaite and praised his leadership of CRA during the past year.

D. C. Wilkens Jr., manager of industrial relations, served as master of ceremonies and extended his personal thanks to each of the commissioners for their efforts during the past year.

McNarney, Coggan, Wilkens and Roth were high in their praise for the man who fathered CRA and has guided it through its seven years in operation—R. H. Biron, Convair vice president — administration.

Seated at the head table were: McNarney, Mr. and Mrs J. V. Naish, executive vice president; Mr. and Mrs. Biron, Mr. and Mrs. Wilkens, Mr. and Mrs. J. K. Field, employee services chief; Mr. and Mrs. Roth, Mr. and Mrs. Crosthwaite, Mr. and Mrs. E. H. Davies, CRA vice president; Mr. and Mrs. Marty Stutz, CRA treasurer, and Mr. and Mrs. A. F. Fath, CRA secretary.

Thursdays Added to Bargain Film Nights

A second "bargain rate" night at the Rio Theatre will be open to Convair employees beginning this week.

For some months, under CRA sponsorship, Tuesday night rates of 25 cents for adults, 10 cents for children, have been in effect. Now, under sponsorship of the San Diego Industrial Recreation Council, the same rates will be in effect every Thursday night on a six-week trial basis. Employees of all firms belonging to the council (that includes Convair) can obtain the low rate admission by presenting identification cards.

★ ★ Rivets ★ ★

Walt Hardy, Dept. 28 artist, has put the XFY-1 (Pogo) to a new use.

A downtown doughnut shop in San Diego commissioned Hardy to create a mural featuring pixies (the shop's trademark) and he came up with a nine-foot high Pogo done in fluorescent paint. Pixies are shown shoveling dough into the air intakes and finished doughnuts are flying out the jet exhaust.

It's called a "frying machine."

* * *

It was a rough row home for **Robert Firestine** and **Griffin Morris,** SD timekeepers, who had been fishing one of the mountain lakes recently.

From the shore it was obvious that something was wrong. The boat's course was erratic, sometimes even making a circle before jerkily heading again for the landing. When they finally got within shouting distance spectators informed them the anchor was still out!

* * *

Although there were four generations of a Convair family in Hillside Hospital recently, there was a happy side to it.

Mrs. J. W. Fish (whose husband is in Dept. 30 at SD) underwent surgery and was cared for by **Mrs. J. R. Van Winkle,** her mother, who is a nurse there. At the same time Mrs. Fish's daughter, **Mrs. Joann Shaw** was there for the birth of a daughter, **Cherrel Ann.** Among the visitors was **Clyde (Rip) Van Winkle** (Dept. 60), a great uncle of Cherrel Ann's.

* * *

Here is a sideline on the hit-run accident early July 5 in which **Sarah (Sally) Schillo** of Dept. 14-1, second shift, was seriously injured.

According to our information, Sally might have saved herself, but she chose rather to push a fellow employee to safety. He is **Nolan Toms,** same department.

Despite her injuries, Sally hasn't lost her sense of humor. From the hospital she sent word thanking friends for cards, flowers and attention. Because "they have been so thoughtful" she promised never again to "gripe at the dispatchers."

Con-Trib-Club Reports:

Following is the quarterly financial report for Employees Con-Trib-Club at San Diego, covering the months of April, May and June, 1955:

Charity Fund		
Balance on Deposit April 1, 1955		$24,909.55
Deposits		54,633.40
Total		$79,542.95
Disbursements: Transferred to Emergency Aid Fund	$5,733.01	
Epileptic Society	1,500.00	
Children's Hospital	375.00	
San Diego County YMCA	500.00	
American Cancer Society	9,158.00	
Camp Fire Girls	2,000.00	
Girl Scouts	1,000.00	
International Guiding Eyes, Inc.	1,100.00	
Multiple Sclerosis	5,000.00	
Neighborhood House	300.00	
Bookkeeping Expense	150.00	
Vauclain Home	129.25	
Total Disbursements		$26,945.26
Balance on Deposit July 1, 1955 including $25,000 Disaster Fund		$52,597.69
Emergency Aid Fund		
Balance on Deposit April 1, 1955		$11,502.43
Deposits		5,733.01
Total		$17,235.44
Expenditures for 69 Cases Aided		5,446.52
Balance on Deposit July 11, 1955		$11,788.92

Other Cases Handled:	Counselled	35	
	Rejected	4	
	Cancelled	2	
	Open	2	
	Total	43	Total Case Load — 112

Breakdown of Expenditures:	Insurance	$ 271.35
	Medical	1,355.36
	Groceries	852.77
	Rents	1,862.84
	Hospital	601.92
	Funeral	49.54
	Travel	184.69
	Other	268.05
	Total	$5,446.52

Caliente Selected For August Golf

Convair Golf Club at San Diego will hold a low handicap tournament Aug. 6 and 7 at Agua Caliente Country Club. Special events will include "blind bogey" prizes and a pitching contest. Reservations may be made by calling Bonnie Castlen at ext. 1532, Plant 1.

Hoedowners Graduate 180 at Ceremony

Convair Hoedowners at San Diego had a full week of festivities last week with a picnic and dance at Alpine July 17 and graduation of 180 at the American Legion Hall, July 21.

The Alpine event was staged at the Anderson Shady Rock Ranch for the second year.

Graduation exercises for the summer classes included exhibition dances, guest callers and group dancing. This was the twelfth class to finish in the past six years and brings the total graduates up to about 1,800, according to Larry Roth, CRA commissioner.

Garden Club Chooses Aug. 14 for a Show

The Convair Garden Club at San Diego will hold its annual summer show Sunday, Aug. 14, E. L. Zimmerman, CRA commissioner, announced. Dahlias, fruits and vegetables will be featured.

The show will be held in the Floral Association Building, Balboa Park. All Convair gardeners are invited.

Delta Divers Score

Seventeen Delta Divers took part in an ocean spear fishing jaunt July 16 off Coronado. Excellent catches were brought up by Bob McClendon, Bud Waggoner, Dave Englebretson and Mark Lindsay. Next scheduled trip will be Sunday (July 31) off La Jolla and Point Loma. Reservations may be made by contacting Tom Simpson at HU-8-5923.

Convair Son, 14, Wins Soap Box Race And Will Compete in Nationals

A 14-year old Convair son raced away with top honors during the ninth annual Soap Box Derby held July 16 at Ocean Beach, Calif, while a second Convair youngster placed second in his class.

David Hayward, son of Christine Hayward of Dept. 4, won first over a field of 270 cars entered in the downhill run. Walter Stark, 12, son of Carl Stark of Dept. 24-1, won second in the Class B event for youngsters 11 and 12.

Young Hayward's feat won him the right to represent San Diego in the All-American Soap Box Derby scheduled for Aug. 14 at Akron, Ohio. He also carried home several trophies and plaques plus a home workshop set. Walter Stark won a Schwinn bicycle.

Hayward's 27.203 seconds elapsed time for the 975.4-foot course was also the fastest time of the day.

This was the third straight year of racing for Hayward. He won three heats in his first attempt and only two the second year but blazed through a car's length ahead of his nearest competitor in the finals this year.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays. Effective Aug. 4, club will meet at 6 p.m., Santa Clara Point, Mission Beach.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative, AT 1-4612 after 10 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., beginning ballroom; 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m. junior high teen-agers; 9 to 10, beginning all Latin.

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners. Summer league schedule: 6:30 p.m., Tuesdays and Wednesdays, Pacific Recreation; Thursdays, Victory Lanes; Fridays, Tower Bowl. Scratch Trio, 1:30 a.m., Wednesdays at Pacific Recreation for swing shift.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays, each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1451, Plant 1. Rehearsals discontinued until fall.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Meetings discontinued until fall.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg, Balboa Park. Register catches with employee service, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Meetings discontinued during August and September. Summer show (dahlias, fruits and vegetables) Aug. 14.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2 (second shift), commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Large bore rifle shoot, Aug. 7, Valley Gun Club, Gillespie Field, El Cajon.

HORSESHOES—Kurt Klein, commissioner, ext. 1710, Plant 1.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Special instruction restricted to Convair employees and their immediate families at Sonald Ice Skating Studio, 3464 Midway Drive. For further information call AC 2-4467 or visit studio.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free movies at CRA Clubhouse discontinued until fall. Bargain rates each Tuesday and Thursday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (July 28) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturday, beginners, 9 a.m. to 1 p.m.; intermediate 1 to 2 p.m.; advanced 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 507, Plant 2; (second shift) Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT 4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. Next boat trip July 31. Call Tom Simpson, HU 8-5923 (after 4 p.m.) for information.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Intermediates, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner. Meetings discontinued until fall.

SWIMMING—Convair swim night for employees and their families, Saturday, Aug. 6, Mission Beach Plunge, 7 to 9:30 p.m.; Gillespie Field Plunge, Sunday, Aug. 7, 10 a.m. to noon. Tickets available at employee services, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1. Open singles championship tourney July 30. Entries close July 28. First club meeting 7:30 p.m., Aug. 8, CRA Clubhouse.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

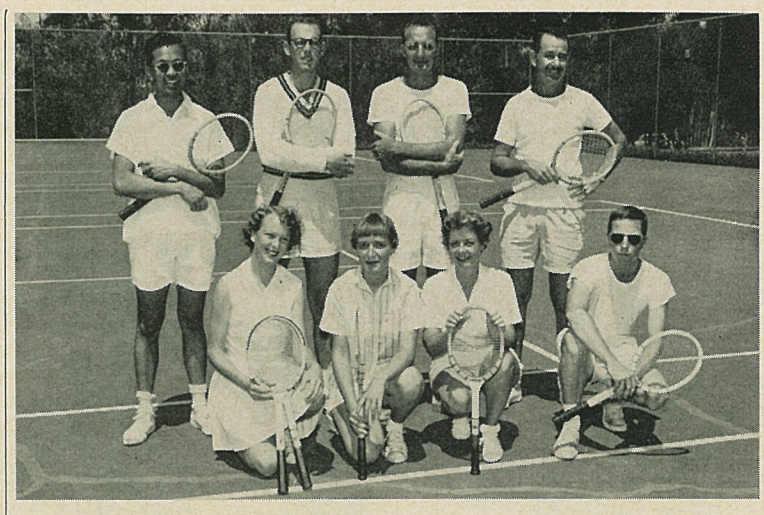
Bargain-rate movies each Tuesday and Thursday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, Aug. 2: THE AMERICANO, Glenn Ford, Frank Lovejoy. SECRET OF CONVICT LAKE, Glenn Ford, Gene Tierney.

Tuesday, Aug. 9: REAR WINDOW, Jimmy Stewart, Grace Kelly. GUY WITH A GRIN, Jimmy Stewart, Rosalind Russell.

Thursday, July 28: DIAMOND QUEEN, Fernando Lamas, Arlene Dahl. LAUGHING ANNIE, Wendell Corey, Forrest Tucker.

Thursday, Aug. 4: THREE SAILORS AND A GIRL, Jane Powell, Gordon MacRae. BATTLE OF ROGUE RIVER, George Montgomery, Martha Hyer.



SAN DIEGO ENTRY—These SD tennis players turned back an invading Pomona team 10-15 recently. Back row, left to right: Jim Lew, Larry Chambers, Dick Collier, Chet Dutton. Front: Barbara Hanson, Barbara Munson, Nita Bodwell, Gerry Robinson.

CRA *Sports & Recreation* Convairiety

Six Three-Setters Feature Play As SD Net Team Edges Pomona

Convair San Diego tennis players captured 10 of 15 matches played with Convair Pomona netmen in the first of a series of planned matches played July 16 at Morley Field, San Diego. Six of the encounters went three sets.

Men's singles events saw San Diego sweep all but one match, while the Pomona women's entry grabbed off all the singles matches and one of the doubles events.

Next matches will be held at Pomona in the fall.

Men's doubles: Collier-Dutton (SD) beat Hall-Lafave (P) 6-3, 2-6, 6-1; Bill Ravenscroft-Robinson (SD) beat Froberg-Bohlman (P) 6-2, 6-1; Nelson-Foote (SD) beat Carver-Horne (P) 6-3, 4-6, 6-1.

Munson Crowned as SD Chess Champion

A. E. Munson (Dept. 6) last week emerged as plant chess champion after winning his way through a field of 28 contestants in the contest extending over the past 20 weeks.

W. C. Thornton (Dept. 522) took second place, C. F. Kettner (Dept. 6), third, and Julius Singer (Dept. 31) fourth.

The double round robin tournament saw each contestant play about 18 games during the extended period.

July 28 Is Deadline For Tennis Entries

Tomorrow (July 28) is the deadline for entering CRA's annual men's open singles tennis championship slated for Saturday at Morley Field.

Action starts at 9 a.m. and trophies will be awarded to the winner and runnerup in both the championship and consolation brackets.

Entries may be made by contacting Commissioner Chet Dutton at ext. 1287, Plant 1.

Williamson Doubles In SD Pistol Shoot

Joe Williamson scored a double victory in the Convair SD Pistol Club shoot held July 17 at the San Diego Police Range.

Williamson won the master class of the .22 Police course and also the top spot in the .22 short National event. Other winners in the Police course included Harold Jensen, Gordon Parker and C. L. Smith, while J. R. Oliver and Bill Dittmann finished in that order in the National event.

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Last Shoot Aug. 7

Convair SD Gun Club will hold its last shoot until October on Aug. 7 at Gillespie Field.

In addition to regular skeet and trap events, a "quail walk" and 10-bird skeet event for beginners will be held. The big bore rifle event will be supplemented by a novelty deer target shoot.

Nimrods may use the rifle range for sighting in rifles immediately following the morning rifle events. Targets and sighting scopes will be furnished by CRA.

Mockup Undefeated In American League

Two important games loom for plant league softball teams in one loop during the coming two weeks, while a clear-cut favorite has been selected in the other loop.

Through games last week, Depts. 70, 522 and 558 were undefeated in National league play. Dept. 70 and Dept. 522 clash tonight (July 27), while Dept. 558 takes on Dept. 522 Aug. 5. From these crucial games a favorite should emerge to rival the unbeaten Mockup crew of the American league.

Dept. 603 dropped from the unbeaten ranks in the American league July 18 by dropping an 8-7 game with the Apprentices.

Only four weeks of play remain in both loops after games this week.

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SCHEDULE

NATIONAL LEAGUE

July 29	6:30	Presidio	215 vs 524
July 29	8:15	Presidio	110 vs 55
July 29	6:30	Convair	31 vs 406
July 29	8:15	Convair	558 vs 52
Aug. 3	6:30	Convair	70 vs 55
Aug. 5	6:30	Presidio	558 vs 522
Aug. 5	8:15	Presidio	31 vs 524
Aug. 5	6:30	Convair	406 vs 52
Aug. 5	8:15	Convair	215 vs 110
Aug. 10	8:15	Convair	52 vs 522

AMERICAN LEAGUE

Aug. 1	6:30	Cabrillo	App. vs Wing & Tail
Aug. 1	8:15	Cabrillo	8 vs 22
Aug. 1	6:30	Convair	Elec. vs Ramp
Aug. 1	8:15	Convair	11 vs Mockup
Aug. 3	8:15	Convair	603 vs 4
Aug. 8	6:30	Cabrillo	11 vs Ramp
Aug. 8	8:15	Cabrillo	App. vs 22
Aug. 8	6:30	Convair	Mockup vs 603
Aug. 8	8:15	Convair	Elec. vs 8
Aug. 10	6:30	Convair	4 vs Wing & Tail

YANKEES CLINCH FIRST HALF TITLE

The Yankees clinched the Convair SD Little League first half championship last week by defeating the Red Sox behind the one hit pitching of Joe Cisterna.

Yanks and Sox had been tied until then with five wins, three losses. Others, all close to the leaders, were Cardinals with four wins, five losses and the Dodgers with three wins, six losses.

Free Swim Sessions At Gillespie Field

New free Sunday swim sessions were announced this week by CRA at Convair SD.

The pool at Gillespie Field, El Cajon, will be open from 10 a.m. until noon every other Sunday beginning Aug. 7, for Convair employees presenting tickets (available at employee services offices) or Convair "ID" cards.

Regular monthly swim sessions at Mission Beach Plunge will continue with the next one scheduled for 7 to 9:30 p.m. Aug. 6.

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Third Swim Class Series Will Start

The third series of CRA-sponsored swim classes at Convair SD will open in early August at Mission Valley School of Swimming.

Day sessions begin August 1 and 2. Night sessions open Aug. 17 and 18.

Tuition to CRA members is $18 for nine lessons. Students may enter classes by reporting to the school on Mission Valley Freeway. For information call ext. 1245, Plant 1.

Liners Second in Industrial League

The fortunes of two Convair SD softball teams entered in civic competition were up and down this week as the final games of the season neared.

The Convair-Liners of the Industrial League have won six and lost only one game to rank second behind the Firemen nine. A meeting between the two teams is scheduled for about mid-August.

Meanwhile, the Eagles of the AAA loop dropped three straight in second half play before downing P.I.B.S. by a 6-3 count late last week.

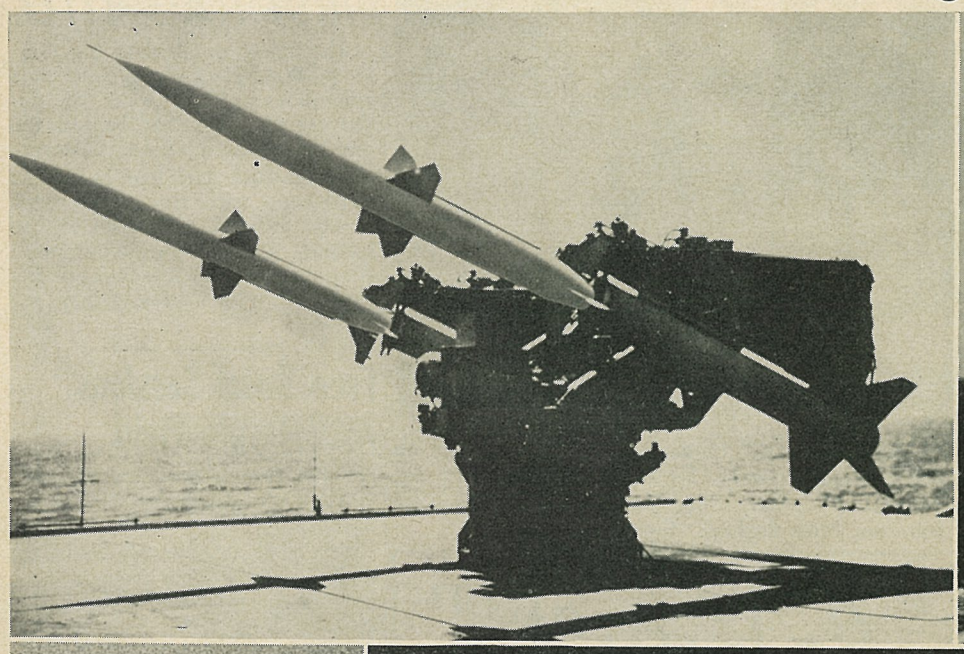
O. W. Bell President Of SD's Golf Club

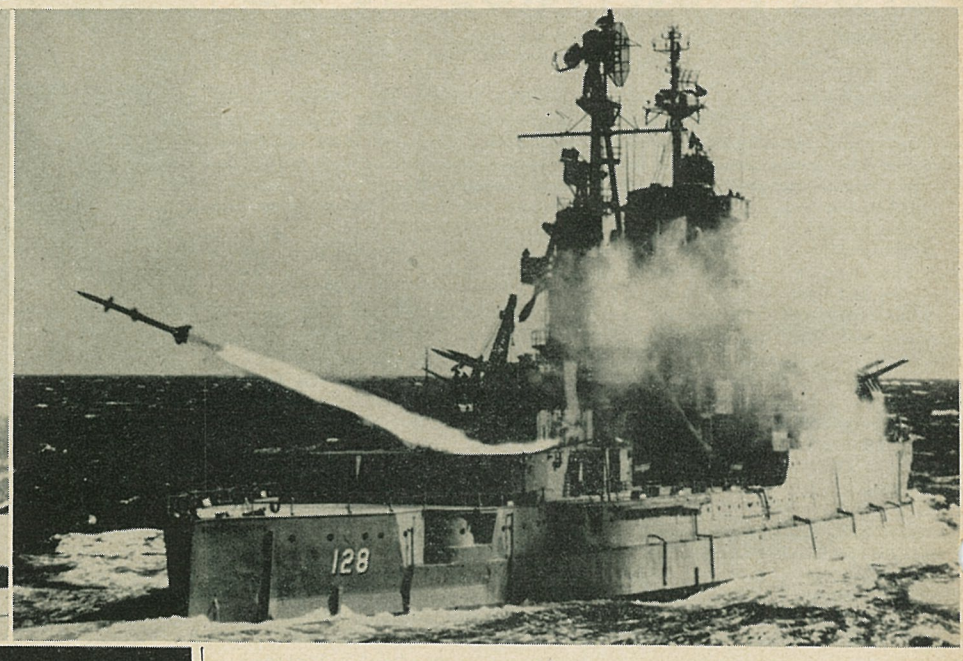
O. W. Bell (Dept. 31) was named president of the Convair SD Golf Club at that group's annual election of officers July 7.

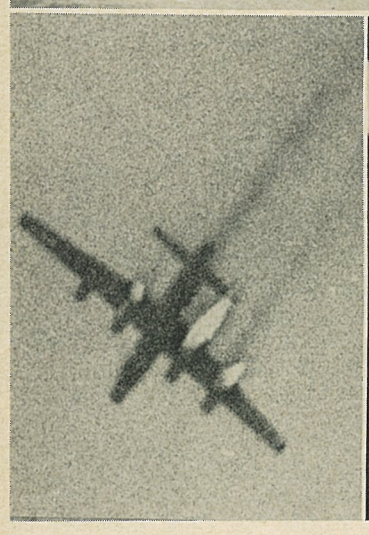
At the same time, Russ Davis (Dept. 202) was elected vice president; Ralph Montgomery (Dept. 522) secretary; and Gerry Cox (Dept. 210), treasurer. The officers will serve for one year. Next meeting of the group will be Aug. 4 at the CRA Clubhouse with subsequent meetings set for the first Thursday of each month.

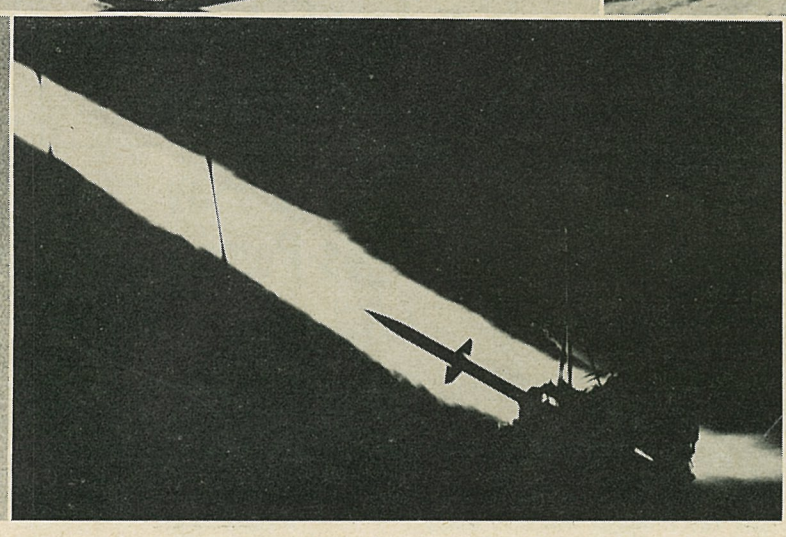
REVIVED—Ice skating has returned at San Diego with resumption of sessions at a studio on Midway Drive. Shown are some of the younger generation. Space is limited on the rink and it is advisable to call for reservations, ext. 1245, Plant 1.

Convair Terriers Find Their Targets Over Atlantic in Navy Tests









NIGHT FLIGHT—Terrier is outlined in its launcher by blast glare from launching of another Terrier nearby. Scene was during a Navy exercise off Atlantic coast. At left is target, a drone plane, a second before it disintegrated.

TERRIER TAKEOFF—Navy's newest anti-aircraft guided missile, the Terrier, built by Convair at Pomona, leaves deck of converted battleship USS Mississippi.

Terriers Will Arm New Navy Missile Cruisers

(Continued from Page 1)

any types of attacking aircraft and is suitable for both ground or ship launching. It is unaffected by poor weather or low visibility.

The Marine Corps has selected the Terrier, it was announced, because of adaptability to amphibious operations.

P4Y-2K drone planes were used as targets during the fleet exercises. Terriers destroyed them with exploding shrapnel.

The Terrier was developed for the Navy Bureau of Ordnance by Convair under the technical direction of the Johns Hopkins University Applied Physics Laboratory. Much of the development work was performed at Convair Daingerfield.

B-36 Landing Gear Completely Dismantled as SAM-SAC Step

Sure-footedness on the ground—as well as air-worthiness—is assured B-36s that leave Convair Fort Worth these days for more years of combat ready service in the Air Force.

And to make certain the big bombers are both steady and sure on the runways, their "pins" get a check-up more searching than any ever given a champion heavyweight on the eve of a big fight.

As part of Convair's continuing SAM-SAC program, the 200-ton bombers are put on jacks and the entire main landing gear—weighing a total of about 13,500 pounds—is removed by modernization department crews.

Then it's moved by a crane car to the Dept. 50 landing gear shop in the assembly building.

Dept. 50 crews completely dismantle the gear. Every removable part is taken off. And everything that comes apart is taken apart.

"We inspect the tires," said Bill Govett, final assembly foreman, "to make sure they're in good shape. If they pass the test we store them until we're ready to put them back on the gear."

In the meantime the gear undergoes a series of operations. The wheels are inspected. Brakes are dismantled.

While this work goes on, crews take the bearings apart and inspect them. Usable bearings get a thorough greasing before they're reassembled and reinstalled.

"Dept. 74 crews step in next and cover the gear with a coat of rust repellant paint," said Govett. "Then we're ready to put everything back together again."

Housekeeping Shows Improvement at SD

(Continued from Page 1)

and electronics and armament departments also scored perfect marks in the safety contest.

Average housekeeping violations per employee:	June	May
Experimental	.000	.000
Fabrication, Plt. 1	.000	.000
Mfg. Control, Plt. 2	.000	.016
Electronics	.000	.007
Field Operations	.000	.000
T-29 Primary & Major, F-102	.001	.017
Fabrication, Plt. 2	.001	.000
Tool Mfg., Plt. 1	.002	.008
Tool Mfg., Plt. 2	.003	.000
340 Major & Final	.005	.024
F-102 Major	.010	.003
R3Y Major & Final, F-102	.015	.147
Plant Engineering	.016	.016
Material	.025	.002
Mfg. Control, Plt. 1	.027	.000
T-29 Final	.062	.000

Convair Volunteers Help in Fire Fight

Convair men assigned to Holloman Air Development Center at Holloman AFB, New Mexico, were in the front lines during a lumber mill fire and thereby made page one of the Alamogordo Daily News.

K. A. Swanson, flight test engineer, was photographed with the hose brigade and Dick Teller, also of the Convair colony, rated a short story. Both had rushed to the scene of the night fire and volunteered their services.

"Any time the Alamogordo volunteer fire department runs low on local assistance they can call on California," the newspaper reported in describing Teller's activity on the nozzle of a fire hose.

Convair Men Join Sclerosis Board

Three Convair SD men have been named directors of the San Diego Chapter, National Multiple Sclerosis Society.

They are LeRoy Fitzgerald of plant engineering; Thomas J. Elliott, Dept. 410 buyer; and Truman P. Solberg of general accounting. Convair further is represented on the board by Barbara Vincent of accounts payable.

Convair SD Folk Hit 'Bonanza' in Lumber

Convair San Diego employees hauled away over 400,000 pounds of used lumber during special sales held July 11 and July 18 by salvage yard employees.

Accumulated during the past 18 months, the lumber included all types and sizes of scrap material in usable condition which had been stored near the old gun butts across the runways from Plant 1.

"We checked out 370 vehicles on the first day of the sale and 450 on the last," said R. H. Lange, salvage supervisor. "Employees were able to pick up good used lumber at a fraction of the normal market value."

California Leads in Number of Pilots

California tops all other states in numbers of active pilots with a total of 40,707, while Texas is second with 20,202, according to the Aircraft Industries Association. The national total is 311,659 active pilots out of 660,449 who have learned to fly.

Convairiety Wins Top Award For Best in Backing Plant Recreation

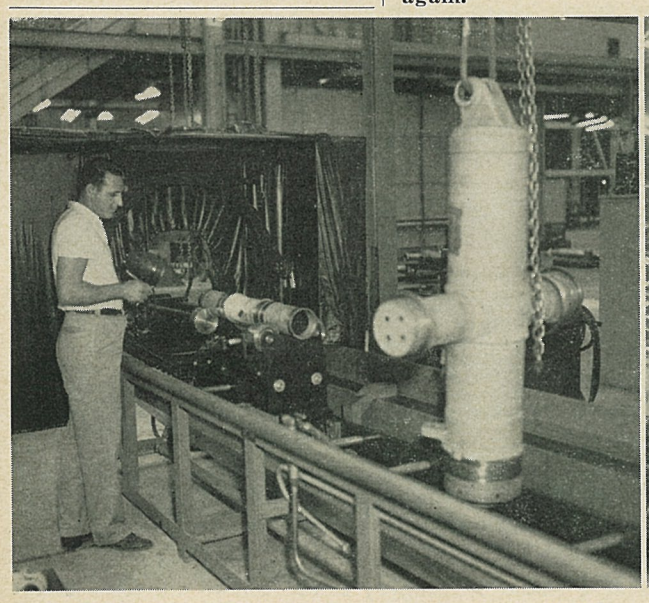
From among industrial papers published more than once a month, **Convairiety** has been chosen as doing the best job of furthering recreation programs.

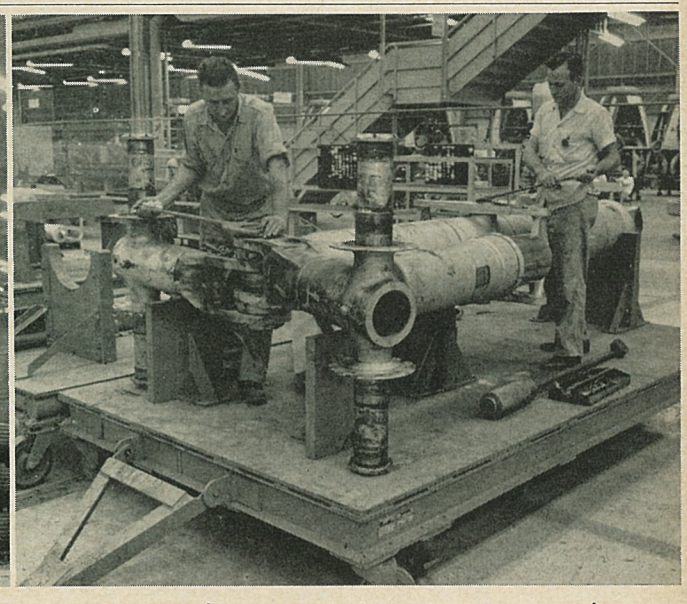
The award was made this month in the first annual national editorial contest sponsored by Industrial Sports and Recreation magazine. Second place in this division went to Voice of Motorola and third to Ford Rouge News. Among the honorable mentions were General Electric News and Hughes News.

There were 76 entries in the contest in all, 30 of them in the division which included **Convairiety.** Judges commented that in this division competition was very close because, although there were fewer entries, there were more outstanding competitors.

Three main factors were considered: how thoroughly are recreation activities covered? how well presented? and how much support is given to upcoming events? Judges found generally that although many papers give good coverage after an event, fewer give sufficient support in advance.

This is the second award **Convairiety** has received this year. The first was an award for overall excellence presented by the International Council of Industrial Editors in another nationwide contest.





CHECKING THE "PINS"—At left, B. I. McClure of inspection tests B-36 landing gear to detect any possible cracks; while, at right, L. E. Stegint and C. L. Pannell of Dept. 50 use giant-size wrenches on gear. In center is gear ready to go again.

Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere.

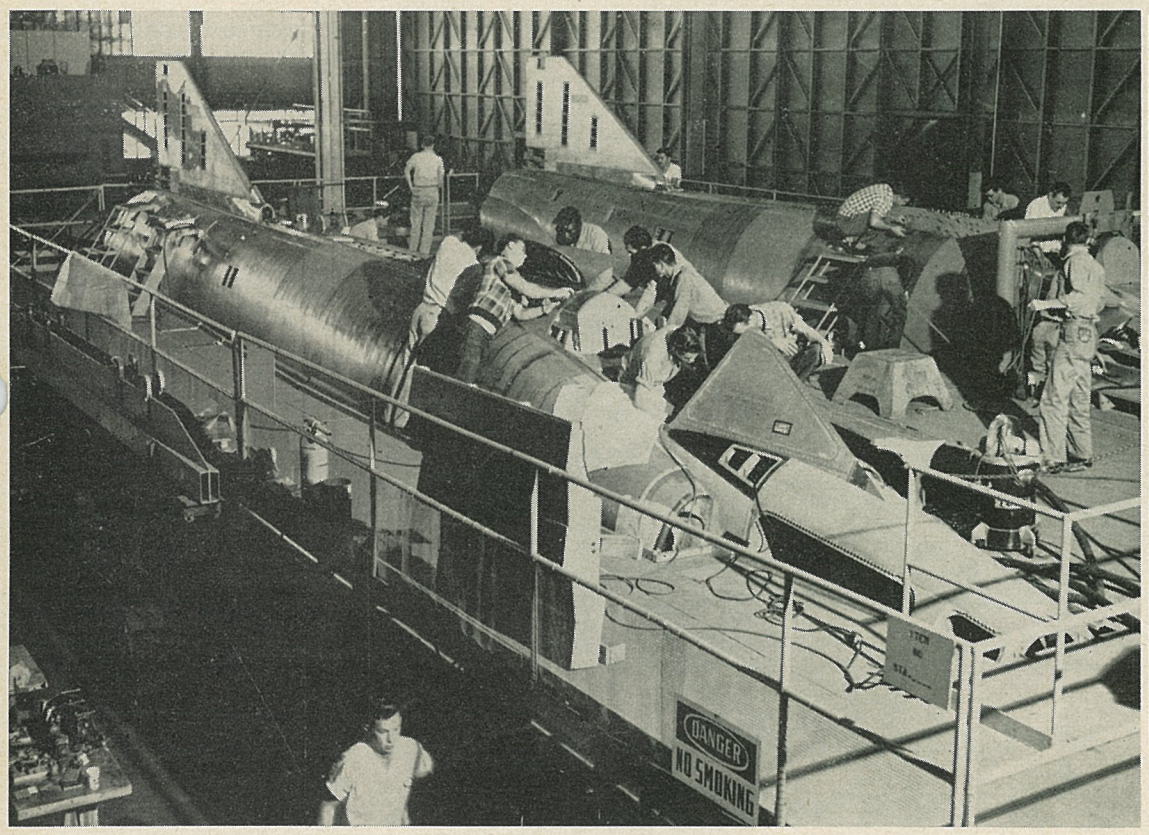
Convairiety

San Diego EDITION

San Diego news office: Building 32, ext. 1071

Vol. 8, No. 16 Wednesday, August 10, 1955

SAN DIEGO AND POMONA, CALIFORNIA 52 DAINGERFIELD AND FORT WORTH, TEXAS



IN PRODUCTION—This is one of first pictures released showing F-102A line at San Diego. Air Force accepted delivery on first production ships recently and others will follow on regular schedule.

New Play Area Taking Shape

First steps in developing a new 45-acre recreational tract for Convair SD employees near Gillespie Field were all but completed this week with landscaping progressing and a new access road under construction.

CRA is developing the area west of Gillespie Field and plans a number of additions to the site over the next five years.

First facilities under construction are trap and skeet ranges and a small bore rifle range. These are expected to be ready for use toward the last of November or first of December. CRA astronomers will erect an observatory near the top of one of the hills in the near future.

Tentative plans call for a new clubhouse and possibly a swimming pool sometime in 1956, according to CRA President Larry Roth.

Last Ball Ticket Drawing Set For 3:30 p.m. on Friday

Last call for free baseball tickets at Convair San Diego!

CRA will give away five tickets each to the Aug. 22, 23, 24 and 25 Padre games with Oakland, the Aug. 26 and 27 games with Hollywood and the Aug. 30, 31 and Sept. 1, 2, 3 games with Sacramento.

To enter, list name, department, clock and plant extension numbers on a slip of paper and deposit it at employee services offices at both plants or in CONVAIRIETY office, Building 32, Plant 1. Deadline 3:30 p.m. Friday (Aug. 12).

Winners will be notified to pick up their tickets.

This is the final drawing of the year and brings to 270 the total of free tickets given away.

Non-Members Urged To Join Con-Trib

The annual re-solicitation of all Con-Trib-Club non-members at San Diego was under way this week in an effort to boost participation from the present 85.8 per cent mark to more than 90 per cent. All who do not presently belong are being contacted through their departments and supplied with literature, details and sign-up cards.

Meeting F-102 Deliveries Vital, Asserts McNarney

Convair last month delivered its first production F-102A interceptors. Other deliveries will continue on a fixed schedule.

In connection with a future involving production manufacture of these all-weather, delta wing defenders, Gen. Joseph T. McNarney, president of Convair, issued this special statement, of primary concern to San Diego but also with an important bearing at Fort Worth:

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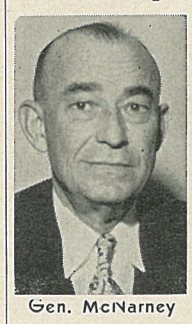
Within the past few weeks the first production models of the F-102A were delivered to the U. S. Air Force.

The importance of the F-102 program to the defense of our country bears retelling: This Convair delta-wing all-weather interceptor was designed with electronic and armament capabilities which now are imperative to the defense of our cities.


Gen. McNarney

The importance of this program to our company is obvious.

F-102 performance as built into this most modern airplane by our Convair engineers has been and continues to be proved out by our own pilots like Dick Johnson, Bill Terry and Sam Shannon, by Air Force pilots like Royal Baker, Slade Nash, Don Butterfield, with Chuck Yeager before them.

With the many demands of our national defense program for fighters, bombers, ships, tanks, weapons of all kinds, I share the concern of our Department of Defense

(Continued on Page 2)

Atom Reactor Project Assigned to Convair FW

Plans for a powerful atomic reactor—designed by Convair and scheduled for construction by Convair Fort Worth—to be used for medical and biological research, training and therapy, were disclosed last week.

Dr. W. Randolph Lovelace, II, vice president and executive director of the Lovelace Foundation for Medical Education and Research in Albuquerque, N. M., the nation's first private organization dedicated to nuclear medicine and biology, made the announcement. He said the reactor will be used in the Radiation Therapy Center of the Foundation's Institute of Nuclear Medicine and Biology.

Construction will start in the immediate future. Dr. Lovelace said he expected it to be operating before the end of 1956.

John Jay Hopkins, board chairman and president of General Dynamics Corporation, of which Convair is a division, said his organization is "particularly pleased" to have the opportunity to construct the Lovelace medical reactor. (Convair has designed,

(Continued on Page 3)

Ticket Sale Monday For Fall Style Show

CRA's Fall Fashion Show for Convair SD women will be held Tuesday evening, Sept. 6, starting at 8 at Mission Valley Country Club. Tickets will go on sale Monday, Aug. 15, at employee services at both Plants 1 and 2.

The site will be the patio surrounding the pool, almost doubling the capacity available for the spring show, Martha Woodberry, CRA commissioner, announced.

Jordan Marsh, local department store, will present the fashions. Dessert will follow awarding of door prizes. Tickets are $1 each. All Convair women, Convair wives and friends are welcome to attend.

SD Establishes New Mark For Safety in 1955

Convair San Diego employees had topped all previous 1955 safety records at the close of the last work week (Sunday, Aug. 7) and this week set their sights on bettering an all-time post-war safety mark set in 1954.

Through Aug. 7, 52 days have been worked without a lost time accident, representing some 6,088,108 manhours. (An individual working a 40-hour week, 52 weeks per year, would have to labor 3,044 years for a like number of manhours.)

If the safety record continues through the current work week, which ends Aug. 14, then the post-war record of 59 days (7,694,532 manhours) posted in 1954 will be equaled. Current figures show the plant works approximately 117,079 manhours daily.

The current period has bettered by some nine days and 1,000,000 manhours the best 1955 mark posted to date which ended in March.

In compiling total manhour figures some remarkable departmental safety figures were uncovered, revealing no less than 28 departments that have worked more

(Continued on Page 3)

Cameras Click For ID Photos

Cameras were clicking about once every 90 seconds this week as Convair San Diego lined up to pose for new identification photographs.

The photographs will be included in new identification cards to be issued all employees in the near future. A similar project has been in progress for several months at Convair Fort Worth.

Designed to meet Department of Defense requirements, the new cards are about the same size as present "ID" cards. In addition to later photographs of each employee, the cards will contain a thumb print and the usual identification information, plus the company's new name. They are made of a lighter, more flexible material than that used in present cards.

Bldg. 5, Plant 1 was the first stop for the portable cameras and equipment and employees will be scheduled at a rate of about 250 per eight-hour shift. Bldg. 19 will be the second stop.

The entire job is expected to take some 120 days.

NUMBER ONE — New Hire Herbert T. Myers of Charactron project was first to get new type identification card at San Diego. All new hires from now on will receive "streamlined" card.

Prophet Co. to Run Plant 1's Food Facilities

The Prophet Co., effective Aug. 29, will take over responsibilities for cafeteria and canteen services at San Diego's Plant 1.

The same concern operates the food facilities at Plant 2 as well as at Convair's Pomona plant.

J. K. Field, SD chief of employee services, said that considerable modernization and renovation at both cafeterias at Plant 1 will be performed, coincident with the change.

"Involved will be the installation of new plumbing and equipment, painting and general maintenance work," he said.

"It is possible that we may have to close down cafeteria service for a week or two in order to complete the work. If that becomes necessary, we will increase canteen service to compensate during that period."

Field said that reception of

(Continued on Page 3)

Prophett Named Flight Test Chief

P. M. Prophett late last month became chief of engineering flight test at Convair San Diego in a series of reassignments announced by Ralph Bayless, SD chief engineer.

P. M. Prophett

Prophett was formerly manager of F-102 flight test operations.

Under the new alignment, Prophett will direct all engineering flight test operations including those at San Diego, Edwards and Holloman Air Force Bases. W. W. Withee will direct activities at San Diego, while G. E. Putness, formerly assistant to Prophett at Edwards, will take over at Edwards AFB and G. W. O'Hare will continue to supervise operations at Holloman AFB.

A veteran Convair test pilot,

(Continued on Page 3)

More Typewriters In Salvage Sale

Typewriters, adding machines and dictaphones will be offered for sale beginning tomorrow (Aug. 11) as salvage items at Convair San Diego during the regular salvage yard sales period —3:30 to 5:30 p.m.

The typewriters (25 of them) include most popular brands and sell for $40 each. They are in working condition. Adding machines and dictaphones (Edison Voice Writers) are priced according to their individual condition.

Log Book Entries

★ ★ Service Emblems ★ ★

SAN DIEGO

Service emblems due during the period August 1 through August 10:

Twenty-year: Dept. 24-1, L. R. Robbins. Dept. 25-1, W. H. Shattuck.

Fifteen-year: Dept. 1-22, James Schwellenbach. Dept. 6, Frank Brown, E. P. Chase, A. H. Drayner, E. F. Strong. Dept. 14-2, H. L. Henrie. Dept. 25-1, W. W. Goodman.

Dept. 31, S. G. Hughes, L. F. Lewis, L. M. McGinley, L. W. Putney, G. C. Zimmerman. Dept. 524-6, W. H. Jones. Dept. 603-1, E. F. Liegler.

Ten-year: Dept. 4-5, J. G. Folchi. Dept. 6, G. W. Leesch. Dept. 25-1, C. C. Waits Sr., Bonnie G. Wood. Dept. 252, Myrtle S. Nevills. Dept. 375, L. S. Butler. Dept. 522-2, C. F. Kraus. Dept. 524-1, C. F. Biehl Jr.

Five-year: Dept. 3, Martha B. Dowell, V. J. Hepburn, Michael Kotun, F. H. Schlaebitz, W. T. Stoye. Dept. 4, B. L. Moon. Dept. 6, J. E. Burgeson, Peter Goetz Jr., T. A. Matera, A. C. Nelson, L. M. Padilla, R. C. Schaefer, Louise W. White, H. L. Wilber.

Dept. 8, W. J. Gunn. Dept. 9, E. R. Lunbeck, J. W. Schiltges, Thelma P. Young. Dept. 10, O. H. Bailey, G. V. Matifes, H. A. McDaniel. Dept. 14, W. J. Ammar, J. A. Moore, R. R. Mulanax, Lila G. Taylor, L. F. Vought.

Dept. 22, Divella V. Cooper, G. R. Higgs, Bernice K. Kelly, Mildred M. Lowry, J. R. McMinn Jr., Ida S. Mitchell, E. E. Stevenson, L. E. Swisher, C. M. White. Dept. 24, R. A. Nelson, Catherine A. Niehoff. Dept. 25, Rush Cravens, D. E. Findlay, William Gilliken, G. W. Jones, D. W. Monahan, W. B. Newcomb, O. L. Waller.

Dept. 27, Margaret S. Howe. Dept. 28, L. E. Austin, Betty K. Kennedy, D. D. Parkhurst, J. F. Zittell. Dept. 31, J. N. Comstock, J. R. Dickinson, E. L. Gullette, W. S. Heller, J. C. Kennedy, O. A. Koch, G. R. Thomas, H. T. West Jr.

Dept. 37, L. W. Steen. Dept. 40, C. M. Morris. Dept. 43, J. E. Bender. Dept. 44, Louis Morales. Dept. 52, D. A. Laferriere, T. K. Lou, Angela R. Richetti, W. B. Young.

Dept. 55, V. N. Campise, M. H. Fulgham, P. L. Hawks, D. E. Paulson, A. F. Ramirez. Dept. 56, M. F. Winchester Jr. Dept. 70, L. C. Berner, Lewis Chaplin, T. A. Cooper, Alfred Daniels, E. J. Dauley, Irene D. Dow, Henry Hampton Jr., E. B. McKinney, A. T. Patterson, O. P. Ray.

Dept. 72, James McCormick, L. F. Patterson Jr., W. G. Rushton. Dept. 102, J. W. Carrico, H. G. Elrick Jr., O. W. Halliwill, Daniel Ostel, H. G. Pedrini. Dept. 115, K. C. Brown. Dept. 201, Benjamin McMullen. Dept. 202, J. D. Collins. Dept. 204, Rebecca C. Dodes, G. C. Roberts. Dept. 205, C. E. McCluskey. Dept. 215, Sarah W. Dragoo.

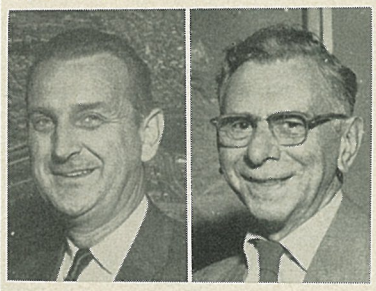
Dept. 250, Roy Wattenbarger. Dept. 252, Marjorie B. Grimm. Dept. 300, W. B. Swindall Jr. Dept. 303, Anthony Duda, S. H. Imdieke. Dept. 313, A. B. Treffer. Dept. 350, E. L. Bennett. Dept. 355, P. B. Capelle.

Dept. 375, J. R. Ferson, K. A. Hurst, W. R. Knowles. Dept. 401, Aaron Roberts, M. A. Thomas. Dept. 403, F. J. Steface. Dept. 406, T. C. Hall, L. C. Michenfelder.

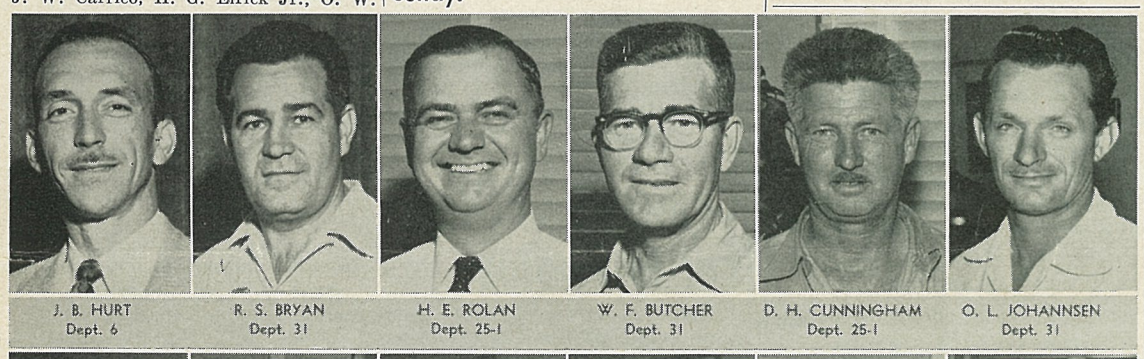
Dept. 522, R. C. Bouldin, Bernard Bourdon, Teresa C. De Bolt, H. H. Horner, Gladys L. Kelsey, R. R. Oglesby, J. E. Rath, J. R. Taliaferro, J. C. Van Buskirk Jr. Dept. 528, H. H. Dow, R. H. Hennum. Dept. 529, R. L. Jackson, R. C. Thomas. Dept. 603, G. W. Cooper, W. O. Pfau.

POMONA

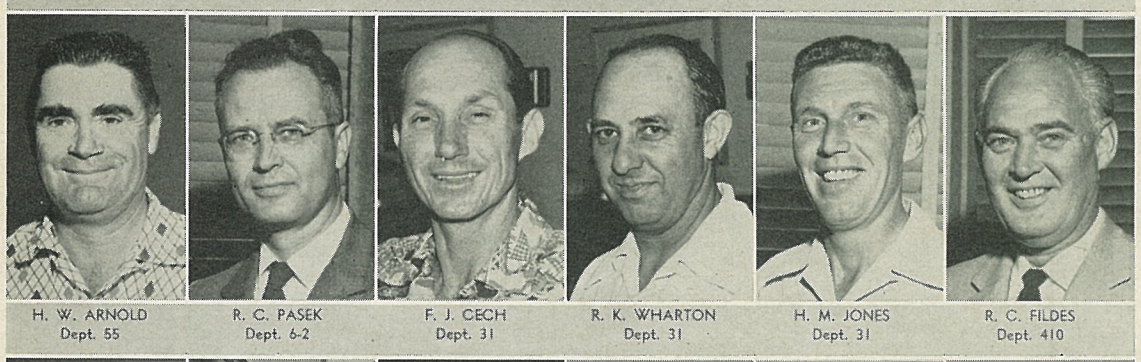
Five-year: Dept. 2, H. M. Wagner. Dept. 6, J. E. Taylor. Dept. 14, Jack Cranston. Dept. 27, J. W. Short. Dept. 62, Doris P. Collins.



Between them, these two Convair men represent a half century of service. At right is F. A. Scrivani of Dept. 31 who recently received gift and congratulations of SD Manager B. F. Coggan on completion of 30 years. At left is Supt. F. R. Field, Dept. 14-0, who received 20-year emblem recently.

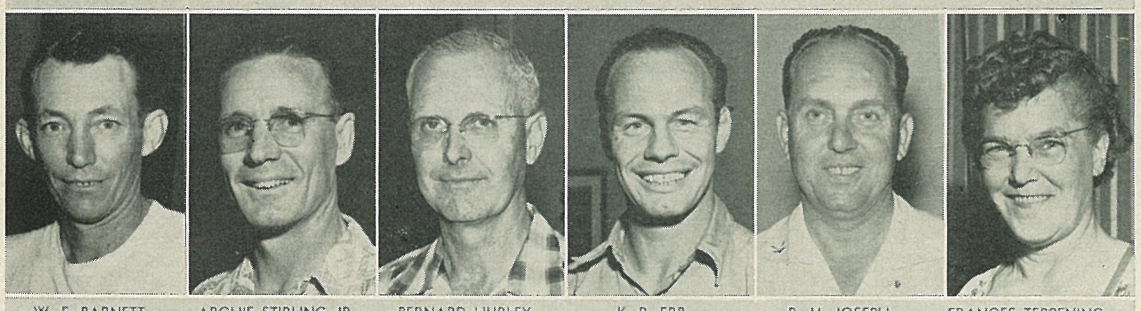


J. B. HURT, Dept. 6 — R. S. BRYAN, Dept. 31 — H. E. ROLAN, Dept. 25-1 — W. F. BUTCHER, Dept. 31 — D. H. CUNNINGHAM, Dept. 25-1 — O. L. JOHANNSEN, Dept. 31

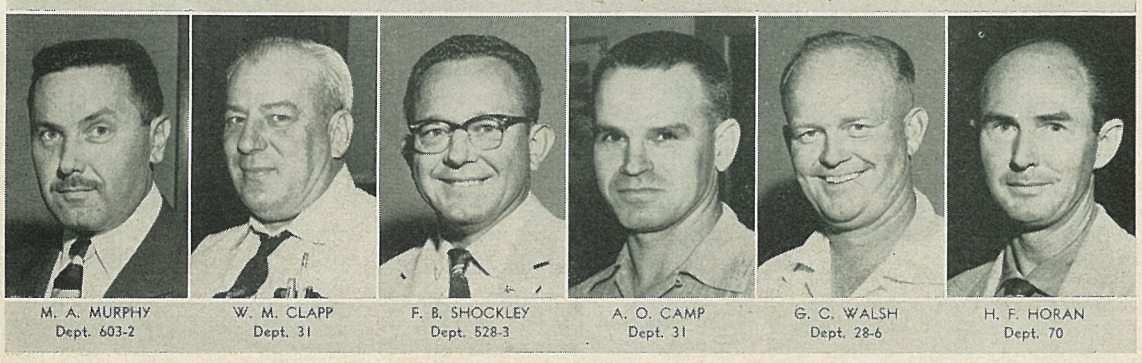


H. W. ARNOLD, Dept. 55 — R. C. PASEK, Dept. 6-2 — F. J. CECH, Dept. 31 — R. K. WHARTON, Dept. 31 — H. M. JONES, Dept. 31 — R. C. FILDES, Dept. 410

L. V. WISNIEW, Dept. 410 — A. H. DAMARUS, Dept. 25-1 — J. E. CASSIDY, Dept. 30 — J. P. OAKLEY, Dept. 31 — RAUL CASTANEDA, Dept. 6 — M. A. BEDDOW, Dept. 31



W. E. BARNETT, Dept. 31 — ARCHIE STIRLING JR., Dept. 55 — BERNARD HURLEY, Dept. 31 — K. R. ERB, Dept. 55 — R. M. JOSEPH, Dept. 70 — FRANCES TERPENING, Dept. 410



M. A. MURPHY, Dept. 603-2 — W. M. CLAPP, Dept. 31 — F. B. SHOCKLEY, Dept. 528-3 — A. O. CAMP, Dept. 31 — G. C. WALSH, Dept. 28-6 — H. F. HORAN, Dept. 70

Above are Convair SD individuals who now wear 15-year emblems.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective July 25:

Dept. 3-1, Industrial Security: To fire lieutenant, I. K. Wisley.

Dept. 6, Engineering: To flight test group engineer, M. I. Edelstein, H. E. Seibert. To group engineer, J. F. Carberry. To asst. project engineer, F. J. Dore Jr.

Dept. 27-0, Quality Control: To chief of inspection, Plant 2, P. M. Benner.

Dept. 303-4, Model 8 Flight Test Operations: To asst. foreman, V. L. King, C. W. Lacy Jr.

Dept. 401, Jigs & Fixtures: To asst. foreman, J. Kudrna, V. O. Williams.

Dept. 522-2, Manufacturing Control: To M/C foreman, J. P. Erpenbeck.

Dept. 529-1, Model 8 Flight Test Center—Palmdale: To asst. foreman, S. J. Aycock.

POMONA

Dept. 3, Industrial Relations & Security: To special courses instructor, C. S. Booth.

Dept. 5, Purchasing: To buying supervisor, K. L. Zimmer.

Dept. 6, Engineering: To chief project engineer, W. A. Stevenson. To project engineer, A. C. McMaster. To chief design engineer, G. E. Sylvester. To senior design group engineer, E. E. Brewer, E. D. Heller.

Dept. 11, Contracts: To parts sales asst. supervisor, M. P. Fisher.

Dept. 27, Quality Control: to reliability asst. supervisor, A. E. Taylor Jr.

Dept. 31, Experimental: To general foreman, L. F. Scherer, F. W. Sechrist. To foreman, D. A. Nye.

Births

SAN DIEGO

NESBITT—Daughter, Cheryl Ann, 7 lbs. 4 oz., born July 22 to Mr. and Mrs. K. A. Nesbitt, Dept. 350.

NICHOLS — Daughter, Natalie Carol, 7 lbs. 7 oz., born July 19 to Mr. and Mrs. R. A. Nichols, Dept. 6.

POMONA

ADKINS—Daughter, Kathy Lynn, 7 lbs. ½ oz., born July 19 to Mr. and Mrs. Douglas C. Adkins, Dept. 31.

COLUMBER—Daughter, Candy Lynette, 8 lbs., born July 6 to Mr. and Mrs. Howard Columber, Dept. 63.

GARLITS—Son, Kevin Eugene, 8 lbs. 11 oz., born July 4 to Mr. and Mrs. Reuben R. Garlits, Dept. 27-1.

HEATHCOTE—Son, Steven Allen, 7 lbs. 1 oz., born July 6 to Mr. and Mrs. Ralph Heathcote, Dept. 72.

POWERS—Son, Steven John, 8 lbs. 3 oz., born July 23 to Mr. and Mrs. Walter J. Powers, Dept. 52.

SAXTON—Son, Forest Howard, 6 lbs. 8 oz., born July 11 to Mr. and Mrs. Forest J. Saxton, Dept. 22.

Meeting F-102 Deliveries Vital, Asserts McNarney

(Continued from Page 1)

and our Congress that every dollar spent for defense must count in full measure.

It is urgent that we meet our F-102 delivery schedules, to meet the enemy threat.

It is equally urgent that we produce these airplanes at the lowest possible cost, freeing every possible dollar for use on other necessary weapons programs.

I have charged your supervision to organize and manage in such a manner as to accomplish these urgent tasks.

I charge you, each individual Convair worker, to so apply your inborn capacity for intelligent, ingenious, and persevering hard work that these vital goals are met.

If we do this, the F-102 interceptor is destined to become the backbone of our air defense.

Joseph T. McNarney
President

★ ★ Suggestion Awards ★ ★

SAN DIEGO

Employee Suggestion awards totaled $1,703.50 for the weeks of June 30 and July 7:

Dept. 3, Industrial Relations: E. M. McGown, $10.

Dept. 4, Material: G. G. Bebb, $5; J. Jarvis and T. Salazar, $22.25 each; W. A. Morgan, $10.

Dept. 6, Engineering: R. R. Bateman, $10; G. S. Hunter, $15; O. B. Mudge and W. C. Braley, $10 each; C. W. Sawyer, $25.

Dept. 9, Controller's: N. C. Earp, $10.

Dept. 22, Manufacturing Control: G. Olcott, $70.

Dept. 24, Tooling: H. M. Ross, $5.

Dept. 25, Plant Engineering: J. Buckley, $10; A. Cilona, $10; J. Janke, $10; L. E. Spangler, $15.

Dept. 28, Inspection: R. M. Darling, $10.

Dept. 31, Experimental: R. S. Lathrum and H. W. Nierman, $10 each.

Dept. 40, Model 8 Components: W. S. Sowa and W. Worthington, $46.25 each.

Dept. 44, R3Y Hull Sub-Assembly: J. Gammicchia, $25.

Dept. 55, 340 Fuselage: H. Fletcher, $5; T. R. McDaniel, $10; J. B. Russell, $12.50; A. H. Spencer, $10.

Dept. 56, 340 Primary: A. C. Martin (two awards), $23 and $17.50. A. C. McDowell and H. O. Kerkow, $7.50 each.

Dept. 70, Model 8 Fuselage: E. L. Bernier, $10; L. H. Charity, $10; J. T. Evans Jr., $100 (partial payment); E. G. Johnson (two awards) $19.25 and $45.25; H. R. Leatherman, $15; K. G. Wagner, $18.75; C. M. Willett, $5.

Dept. 101, Sheet Metal: S. Elhard, $10; R. F. French, $10.

Dept. 102, Sub-Assembly & Processing: H. H. French, $25; H. W. Wittig, $10.

Dept. 115, Machine Shop: O. B. Travis, $39.50.

Dept. 201, Sheet Metal: J. F. Casillas, $5; S. I. Moore, $10; A. L. Woods (two awards), $31.50 and $25.00.

Dept. 203, Welding: W. T. Curtis, $5; J. Riveroll, $10; E. I. Thies, $15; W. Wantuch (three awards), $5, $10 and $20.

Dept. 215, Machine Shop: M. E. Gagnon, $10; A. Jordan, $10.

Dept. 250, Electric Bench: H. H. Sharp, $10.

Dept. 252, Electric Bench & Fabric: B. R. Snyder, $100 (partial payment).

Dept. 255, Tubing & Cable: R. J. Derocher (two awards) $10 each; H. R. Dewhurst (two awards) $56.50 and $40.

Dept. 258, Proofing Mock-Up: C. E. Myers, $21.

Dept. 300, Field Operations: T. G. Padilla, $23.25; A. A. Pagani, $33.50.

Dept. 313, Model 8 Flight Test (Holloman): J. W. Boorom, $20.

Dept. 401, Jigs & Fixtures: C. F. McKeown, $10.

Dept. 403, Tool & Die Shop: O. L. Cox, $5; D. L. Fletcher, $10; R. F. Mansteen and J. R. Ahrens, $50 each (partial payment).

Dept. 406, Plaster Pattern Shop: R. A. Alter, $10; R. M. Jones, $25.

Dept. 522, Manufacturing Control: W. D. Bertsch, $25; G. W. Carr, $20.

Dept. 524, Tooling: R. E. Barrett, $10; C. E. Shuler, $10.

Dept. 528, Inspection: A. E. Gagnon (two awards) $10 and $60.

Dept. 603, Tool Manufacturing: E. L. Patton, $100.

* * *

Employee Suggestion awards totaled $1,412.50 for the weeks ending July 14 and July 21:

Dept. 3, Industrial Relations: M. K. Brand, $20.

Dept. 4, Material: F. Applegate, $25.

Dept. 6, Engineering: J. Bard and J. Preston, $5 each; R. R. Bateman and A. P. Frink, $28.75 each (final payment); A. D. Bush, $10.

Dept. 9, Controller's: J. Fitzpatrick, $21.25.

Dept. 10, Industrial Accounting: H. L. King and M. H. Botner, $5 each; C. N. Shidle, $20.

Dept. 14, Shipping & Material Stores: J. M. Meyers, $100 (partial payment); E. V. Tieszen, $5.

Dept. 22, Manufacturing Control: P. H. Ayer, $10; K. Hart, $15.

Dept. 24, Tooling: K. P. Drury, $10; L. S. Sheffer, $7.50.

Dept. 25, Plant Engineering: D. E. Martin, $10; N. L. Palmer, $10; C. W. Smith, $5; P. Stoops, $25; H. F. Trantham, $59.50; E. W. Winchester, $25; R. E. Young and L. N. Henry, $10 each.

Dept. 28, Inspection: E. J. Bourgeois, $10; H. M. Dorman, $10.

Dept. 30, Model 8 Final Assembly: J. W. Fish, $15; W. R. Smith, $29.25.

Dept. 31, Experimental: P. A. Heidrich, $36; W. T. Lloyd, $42.

Dept. 37, C-131B Final Assembly: J. E. Slean, $33.75.

Dept. 40, Model 8 Components: E. Barnett, $47.50.

Dept. 52, 340 Wing: D. Pacheco and R. G. Wright, $5 each.

Dept. 55, 340 Fuselage: P. J. Aslin, $5.

Dept. 56, 340 Primary: J. S. Broussard, $10; R. E. Gschwind, $5.

Dept. 60, Model 8 Wing and Tail: A. W. Hicks and A. W. Falk, $5 each; W. Higginbotham, $10.

Dept. 70, Model 8 Fuselage: B. E. Hill, $23.50; H. R. Leatherman, $10.

Dept. 72, Model 8 Fuselage Primary: R. A. Berman, $28.25; H. Frankston, $10; G. A. Rummel, $46.25.

Dept. 101, Sheet Metal: L. Gomes, $10; T. E. Lindsey, $10.

Dept. 102, Sub-Assembly & Processing: B. L. Hawkins, $10.

Dept. 110, Special Projects: E. W. Schelske, $10.

Dept. 115, Machine Shop: H. A. Wilson, $5.

Dept. 201, Sheet Metal: E. J. Martin, $10; J. D. Matthews, $15.

Dept. 202, Sub-Assembly: W. A. Wilkinson, $5.

Dept. 203, Welding: S. S. Kieliszek, $5; O. D. Sanders Jr., $10.

Dept. 215, Machine Shop: W. L. Carr, $68.50; W. T. Green, $10.

Dept. 250, Electric Bench: R. L. Kramer, $27.

Dept. 255, Tubing & Cable: A. Barragan, $5; R. J. Derocher, $16.25.

Dept. 300, Field Operations: E. Dresden, $5.

Dept. 350, Proofing Mock-Up: C. E. Buchanan, $10; D. F. Conklin, $10.

Dept. 355, Fabric & Tubing: A. F. Losey, $65; J. Runnels, $15.

Dept. 401, Jigs & Fixtures: A. Gianformaggio, $47.50.

Dept. 403, Tool & Die Shop: F. S. Harger, $53.50.

Dept. 406, Plaster Pattern Shop: H. E. Rector, $10; M. B. Watling, $5.

Dept. 522, Manufacturing Control: W. W. Harper Jr., $5; H. C. Pritchett, $24.50; R. C. Soloman, $10.

Dept. 524, Tooling: P. B. Holloway, $10.

Dept. 528, Inspection: C. F. Gonzales, $20; H. Goode, $38.

POMONA

Employee Suggestions for the period ending July 22 totaled $131. They were:

Dept. 6, H. R. Bailey, $10.

Dept. 22, B. F. Frye, $27; E. L. Grady, $12; F. F. Perricelli Jr., $18.

Dept. 31, R. L. Brown, $10.

Dept. 51, E. H. Cambell, $17; R. A. Cammack, $17.

Dept. 72, C. G. Escobar, $10; J. A. Wampler, $10.

C.I.P.'s for the same period included:

Dept. 6, D. P. Edwards.

Dept. 42, L. H. Larivee.

* * *

Employee Suggestion awards totaled $545 at Convair Pomona for the period ending 3 August 1955. They were:

Dept. 13: E. P. VanProyen, $10.

Dept. 25: W. Anderson, $22; F. J. Gwozdz, $10.

Dept. 51: J. M. Densmore, Jr., $10; E. J. Jordon, $135; P. C. Marshall, Jr., (two awards) $33; P. J. Wallrabenstein, $18.50.

Dept. 61: F. E. Peterson, $290.

Dept. 72: P. K. Nicholson, $16.50.

CIP's for the same period were:

Dept. 6: Wendell Haas.

Dept. 27: R. E. Bruce.

Dept. 61: G. A. Boortz.

Dept. 63, S. Herman, H. E. Knox.

Dept. 72: W. F. Crutchfield, R. E. Salyer.

Personals

SAN DIEGO

From her hospital bed, where she has been confined since being struck by hit-run driver early last month, Sara (Sally) Schillo, Dept. 14-1, second shift, sends her thanks to the host of Convair friends who have sent her cards, flowers and gifts. They are greatly appreciated.

* * *

POMONA

I wish to sincerely thank the employees of Convair for their kindness and sympathy during the illness and recent death of my wife.

Walter Du Pre
Dept. 63

Lost & Found

SAN DIEGO

LOST—Ladies white gold "Omega" wrist watch with expansion band between Kettner Blvd. at Sassafras and Bldg. 19, July 21. Finder please contact Jeanette Ruggles, ext. 683, Plant 1.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, news editor; Grayce Fath.

FW Editorial Offices, Col. 71-C, ext. 5290. Mailing address: Convairiety, Convair, Fort Worth, Texas. Telephone SUnset-7311. Staff: Bob Vollmer, news editor; Sally House.

Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Elizabeth McCuistion.

Gordon Dean Will Head Dynamics' 'Atom Team'

Gordon Dean, former chairman of the U.S. Atomic Energy Commission and a member of General Dynamics Corporation's Board of Directors since July, 1954, has been named senior vice president-nuclear energy for General Dynamics.

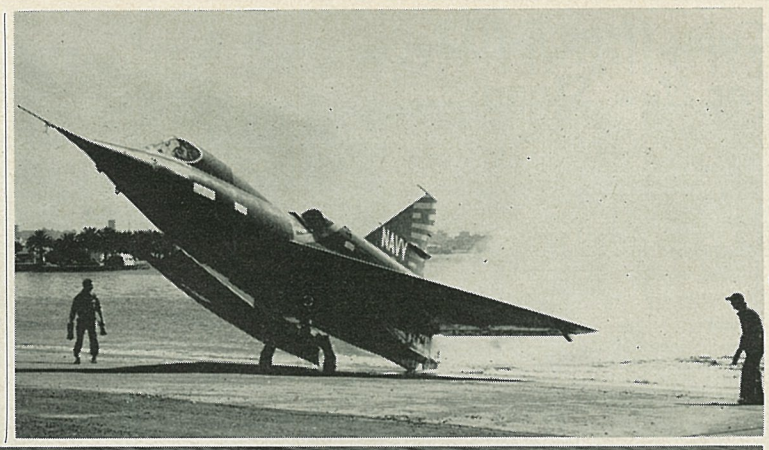
John Jay Hopkins, chairman of the board and president, said Dean will coordinate the widespread atomic energy activities of the corporation.

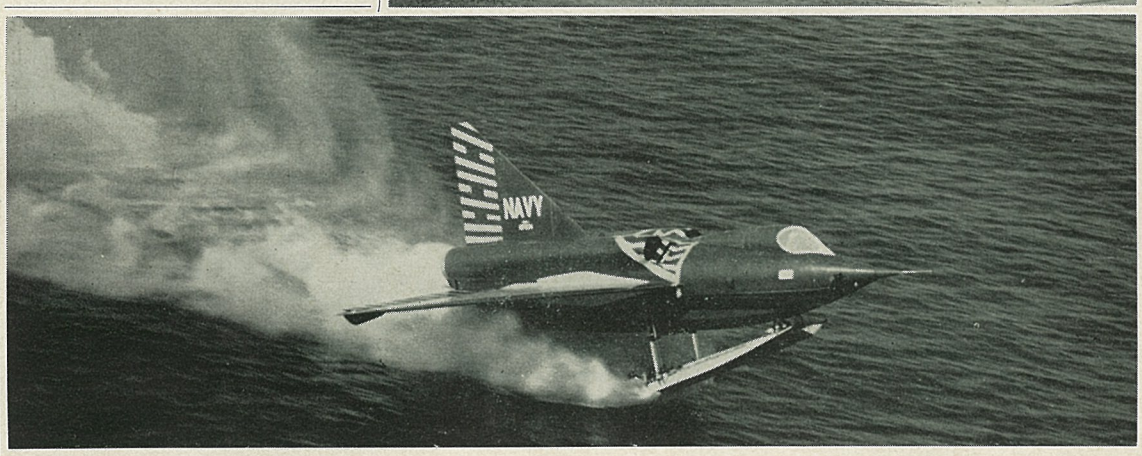
Gordon Dean

"With Mr. Dean as the leader, we believe that Dynamics possesses the greatest atomic energy team in world industry," Hopkins said.

Objectives of this "atomic team" composed of Dean, Dr. Frederic de Hoffmann, recently named head of the corporation's General Atomic Division, and the Dynamics consulting group of 24 world-known nuclear and physical scientists, will not be restricted to nuclear power alone. The team will seek for a "massive technological breakthrough" on all nuclear fronts, including medicine, agriculture and biology on an international scale.

Earlier this month, Hopkins added, the corporation embarked on its new long-range program devoted mainly to basic nuclear research and engineering development with an initial outlay of $10 million for laboratory facilities. One of the main objectives of the new facilities will be to bring down reactor costs through simplified design and increased efficiency. This is in line with Dynamics' belief in the need for world-wide distribution of atomic power.





SINGLE SKI—Originally equipped with two skis, this is XF2Y-1 Sea-Dart which for some months has been under test, operating from a single ski. Top photo shows ship at Convair SD seaplane ramp.

New Record in Safety Scored

(Continued from Page 1)

than one and a half years without a lost time accident. And all are continuing their records.

Time-wise, sub-assembly (Dept. 202) and electronics (Dept. 375) lead the field with over three and a half years each without a lost time accident. In manhours, tooling (Dept. 24) leads with 1,932,168 manhours worked over the past two and one-half years.

Several other departments have worked over two and one-half years without a lost time injury including Dept. 110 (special projects), Dept. 350 (proof planning), Dept. 30 (F-102 final), Dept. 60 (F-102 wing and tail), Dept. 203 (welding), Dept. 258 (tubing and cable) and Dept. 302 (F-102 electronics).

Working over one and a half years have been Dept. 35 (T-29 final), Dept. 37 (C-131B final), Dept. 40 (F-102 components), Dept. 52 (340 wing), Dept. 55 (340 fuselage), Dept. 56 (340 primary), Dept. 102 (sub-assembly), Dept. 250 (electric bench), Dept. 355 (fabric and tubing), Dept. 401 (jigs and fixtures), Dept. 72 (F-102 fuselage), Dept. 215 (machine shop), Dept. 225 (T-29 wing), Dept. 252 (electric bench), Dept. 303 (F-102 flight test), Dept. 524 (tooling), Dept. 528 (inspection) and Dept. 529 (Palmdale operations).

(Note: While some of these departments are no longer active, they are listed here as part of the over-all record.)

Five Years Ago . . .

Following are brief excerpts from Convairiety of five years ago:

* * *

XB-36 completes four years of experimental flying.

* * *

Dave Franks pilots last of five Convair-Liners to leave San Diego for Argentina.

* * *

First of eight Convair-Liners built for Indonesian Airlines flies shakedowns. It has integral extra fuel tanks.

* * *

For the first time since late 1948, employment at San Diego tops 10,000.

* * *

Luke Morris hurls two consecutive no hit, no run games for Convair-Liner softball team at SD to sack up city title.

Over 1,300 Attend Fabrication Picnic

Over 1,300 people gathered at El Monte Park, Lakeside, July 30 to take part in the first combined picnic of fabrication departments at Convair San Diego's Plant 1.

Atom Reactor Project Assigned to Convair FW

(Continued from Page 1)

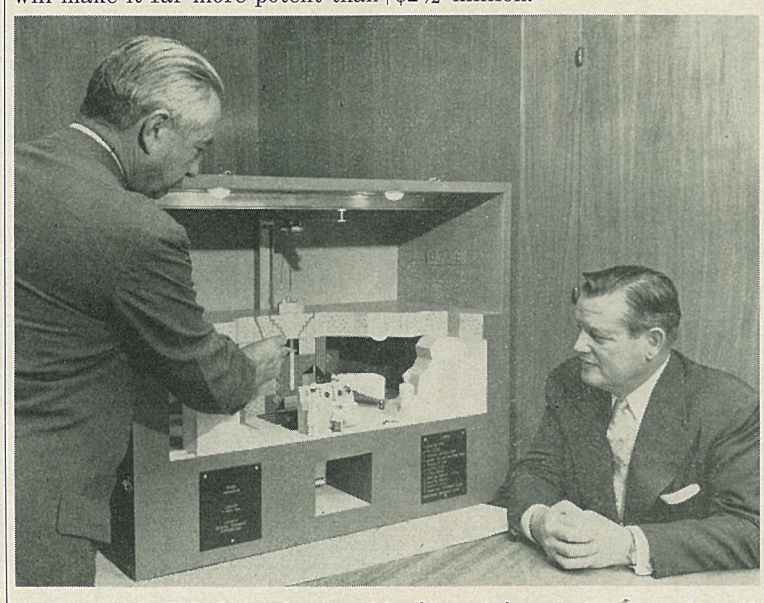
constructed and is now operating a nuclear reactor in connection with the U. S. Air Force's program leading to the development of atomic-powered aircraft.)

Among other uses, the medical reactor will be applied to treatment of selected types of cancer, as well as for training doctors, radiation technicians and physicists. One feature of the new reactor is a new type of neutron cavity which allows a more concentrated nuclear dosage to be applied to the patient than has previously been possible.

It is designed for an operating power of 1,000 kilowatts which will make it far more potent than any other reactor which has yet been announced for medical and biological uses.

At the request of the U. S. Atomic Energy Commission, Lovelace will exhibit a model of the new installation at the forthcoming International Conference on the peaceful uses of atomic energy at Geneva, Switzerland.

Floyd B. Odlum, chairman of the Board of Trustees of the Lovelace Foundation, and a former chairman of the Board of Directors of Convair, said that total cost of the installations, including a new building to house the General Dynamics reactor and special treatment rooms, will be around $2½ million.



TRAIL BLAZING—John Jay Hopkins, right, chairman and president of General Dynamics Corporation, inspects model of new atomic reactor with Dr. W. Randolph Lovelace, II, of Lovelace Foundation, for which Convair will build revolutionary new unit.

Air Force Orders New Model 340s For Service With SAC and MATS

The Air Force has ordered ten cargo-personnel versions of the model 340.

The twin-engine airplanes, similar to the 36 R4Y-1 cargo-personnel-litter planes being produced at San Diego for the U. S. Navy, will be delivered to the Strategic Air Command and the Military Air Transport Service, beginning in July, 1956, and extending through October. Sound and speed improvements recently developed by Convair for the Model 340 will be incorporated.

Three planes to go to SAC will be designated TC-131Es. Six of the seven for MATS will be designated RC-131Fs and one will be called an RC-131G. They will be put to a variety of military uses.

The order for the ten airplanes, spares, tools and ground handling equipment is expected to approximate $8,500,000.

Like the R4Y-1s, the Air Force airplanes will have a specially stressed floor of extruded magnesium that can withstand a load of 300 pounds per square foot. There will be a 10-foot cargo door on the left side aft of the wing. The planes also will include the integral passenger stairway typical of commercial Convair-Liners. Cabins will be pressurized and air conditioned.

Like the model 340s on which these and five other military configurations have been based, the new Air Force planes will be powered by 2400-horsepower Pratt & Whitney engines. More than 900 Convair-Liner type transports have been purchased by domestic and foreign airlines and the military services.

New 'Vanishing Ink' Appears in Texas

Mal Holloway, Dept. 2 administrative assistant at FW, had a new story about Texas heat this week.

He drove to the office of Dr. D. C. Cowan, one of Convair's nuclear scientists, and handed him a carbon draft of a news release.

"This is a blank sheet of paper!" Dr. Cowan protested.

The 96-degree Texas heat had melted the carbon-produced characters to nothingness.

All SD Management Club Officers Will Attend Convention

Convair Management Club at San Diego this month named its six club officers as official delegates to the 32nd annual national convention of the National Association of Foremen.

The affair is scheduled for Fort Worth Sept. 28 through Oct. 1 with the Convair FW Management Club as host.

Heading the San Diego delegates will be President Bob Elo. Others include W. O. Zook, first vice president; E. H. Damarus, second vice president; F. H. Nipper, recording secretary; J. L. Terrien, financial secretary; and Edgar Caldwell, treasurer.

The group will carry with them several displays and literature.

Damarus Appointed To Con-Trib Group

E. H. Damarus, SD tooling general supervisor, has been named a member of the Convair SD Employees Con-Trib-Club Committee, representing Convair Management Club.

E. H. Damarus

Damarus, second vice president of CMC, succeeds Maynard Bjorstrom on the committee. He took up his new duties at the July meeting of the group.

Other committee members include James K. Field (chairman), F. E. Grossher and Frank Pickard (secretary), representing Convair; W. A. Ebel and W. W. Lynt (vice chairman), representing Engineers and Architects Assn.; E. E. Larsen, International Brotherhood of Electrical Workers; Gladys P. Story (treasurer) and William R. Bever, Lodge 1125, International Association of Machinists; and A. D. Parsons, Convair SD Management Club.

Prophett Gets New Position

(Continued from Page 1)

Prophett has been associated with Convair since 1942 and has served as a test pilot on many Air Force, commercial and Navy aircraft, including the XC-99, B-36 and Convair-Liners.

He was named manager of the F-102 flight test operation in June, 1953, and has been in charge of all engineering flight tests of the delta-wing interceptor since that time.

★ ★ ★

Benner Will Head Plant 2 Inspection

Reshuffling of inspection department assignments at Convair San Diego was announced recently by A. W. Morgan, assistant division manager—operations.

P. M. Benner

D. R. Archibald, formerly chief of inspection, is now chief, inspection department, Plant 1, with responsibilities over all Plant 1 inspection, plus all outside inspection and tooling inspection for Convair SD.

P. M. Benner, formerly assistant chief of inspection, becomes chief, inspection department, Plant 2, with responsibility for all Plant 2 inspection activities.

Blood Bank Credit Back in 'Black' as 173 Pints Donated

For the first time in over four months Convair San Diego's Blood Bank credit is in the "black" after 173 pints were collected during a visit of the bloodmobile to Plant 2 July 28.

The supply has been critically low since early April and repeated donation periods have failed to supply the necessary backlog to carry Convair's credit from one visit of the mobile blood bank to another. Unusually high demands on the supply (two cases alone required 90 pints) have helped to keep the record in the "red." Under normal conditions 125 pints are sufficient to maintain an adequate reserve.

The bloodmobile will visit the plant again Sept. 8 to receive volunteer blood donations from second shift employees at Plant 1.

Prophet Co. to Run SD Food Facilities

(Continued from Page 1)

The Prophet Co.'s operations at both Pomona and Plant 2 has been excellent and that the move is being taken in order that food facilities at both SD plants can be controlled by the same contractor.

The new operator expects to assign one of its top chefs to Plant 1 and put into effect its system of continuing surveillance of food by a staff of dieticians and a plan of varying menus.

The Prophet Co. also serves various General Motors facilities as well as schools, other industrial concerns, etc., throughout the country.

"I'm pooped! We had recess, fire drill, atomic bomb drill and gym."

HIGH FLYER—R. D. Timms' pup Joe heads for upstairs. A few seconds later he leaped down into a blanket held by his master and mistress. It's just one of Joe's bag of tricks.

Cuba Uses F-102 For New Stamp

(For picture, see page 5)

Convair's F-102 interceptor joins some distinguished company when it appears with a number of historic airplanes on a special series of air mail stamps planned by the government of Cuba.

The stamps, being printed in observance of the 100th anniversary of the issuance of the first postage stamp in Cuba, will appear first about the second week in November. That is the date of the Centenary Stamp Exposition and also the International Philatelic Exhibition scheduled for Havana, Cuba.

Each denomination stamp bears a painting of a historic airplane ranging from the Wright Brothers' first airplane, to Lindbergh's "Spirit of St. Louis" to the delta wing interceptor.

The F-102 likeness will appear in a limited printing (50,000) of the 50-cent stamp. Stamp collectors state it marks the first time in their memory that a foreign government has ever used a United States military airplane on the face of a stamp.

Precocious Pup

At Six Weeks, Pooch Named Joe Has Full Repertoire of Tricks

A pet pooch named Joe might well doubt that "leading a dog's life" is much of a sorry thing. He's got it pretty easy.

That's because R. D. Timms of Convair Fort Worth's traffic department, likes dogs—and thinks that in Joe he has a pup with a future.

Joe's a shepherd-collie mixture about six weeks old. A very talented six weeks old. For Joe has a big bundle of tricks up his furry sleeve—an amazing repertoire for so young a pup.

Timms started training Joe when he was barely out of the litter.

"I noticed he seemed to understand what I wanted him to do most of the time," said Timms. "Usually you have to coax a dog until he understands you. But not Joe. He caught on right away."

Joe already walks on his hind legs, rolls over, climbs a ladder, jumps off the roof of the garage if someone's there to catch him, puts his paws where he's told to, shakes hands, retrieves balls and even carries cigarettes across the yard when Timms calls for them.

"He patrols the front yard as if there were a fence around it," said Timms. "He'll walk around the edge of the grass—but won't step on the sidewalk unless we tell him to.

"He won't leave the back yard either. We can leave the gate open and he won't go out. And if we put him outside and close the gate, he'll find a way to get back in."

Timms doesn't have any particular form for training dogs. He does feel that kindness goes a long way. And a reward at the end of a well-performed trick doesn't hurt either.

Joe pretty much takes the whole project in stride. He seems to enjoy the tricks—especially climbing the ladder and jumping from the roof.

No doubt he figures that he's got a pretty nice deal.

At least he doesn't have to sing for his supper.

And Timms hopes he doesn't start!

Bjorstrom Director In Jr. Achievement

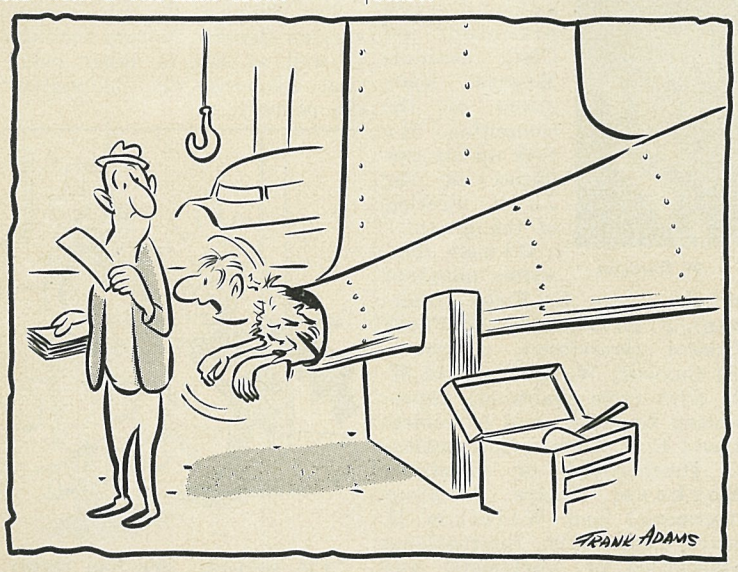
Maynard Bjorstrom, chairman of the Convair SD Management Club's Junior Achievement committee, this month was named a member of the executive board of directors of the San Diego's Junior Achievement organization.

Bjorstrom has been active in the youth movement for the past few years, acting last year as CMC board of control member for the group.

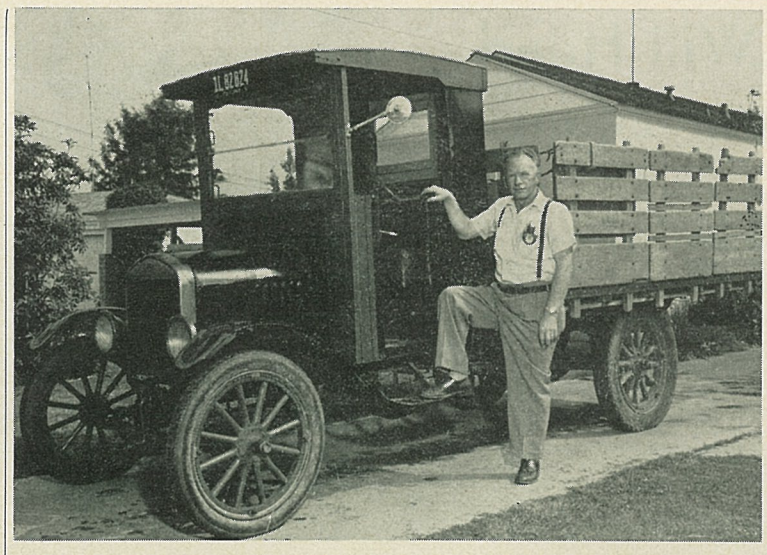
SD Design Specialist Speaks in Denmark

Dr. Krafft A. Ehricke, Convair SD design specialist, was one of 15 American scientists scheduled to present papers at the sixth congress of the International Aeronautical Federation held July 31-Aug. 7 in Copenhagen, Denmark.

Dr. Ehricke, a member of the American Rocket Society, was to talk on "The Satelloid," a craft for outer space travel described as similar to a high speed glide plane weighing 10,000 pounds or less with a one-man crew.



"... I was in the outer wing when I heard you were passing out the pay checks."



MUSEUM PIECE—Art Falk is shown with his 1910 Ford, oldest operating car of this type in area. Some parts have been replaced, but major portion is genuine Model T, age 45.

SD's Art Falk Declines $1,500 Bid For His 1910 Model Ford Truck

When Art Falk paid out $5 for an old car, he never dreamed that in less than a year his automotive bargain would be classified as an "antique" worth about 300 times his initial investment.

But that's what an automobile dealer offered the Convair San Diego man—$1,500 trade-in on a new car—for his 1910 Model "T" Ford.

"Although I've spent about $700 fixing it up, I have no intention of selling at any price," Falk said.

Phil Nance, also of Dept. 60, spotted the old car in a weed-covered lot near San Diego and told Falk about it. Checking up, Falk discovered it belonged to its original owner (she's now 85) and was put out of service in 1921 after years of hauling cattle and farm goods around San Diego County. And it was for sale.

Rust and rot had taken their toll, but Falk and Nance were able to haul the truck away on a trailer. Then came months of searching for parts to replace those worn by time and use. A 1922 Model "T" truck produced most of the needed replacements.

The radiator, hood, headlights and running boards came from the newer truck, while smaller parts were gathered here and there until Falk had it running.

Many of the original parts are still in good shape, like the sliding doors, the wood (white oak) and metal cab and the windshield (folding type) and side curtain frames. The undercarriage, springs and motor were in good shape as was a zinc "fire wall" between the cab and engine.

Falk has added other innovations, like an automatic starter, sealed beam headlights (replacing carbide ones) and several horns.

He has had little trouble tooling the ancient "horseless carriage" around in traffic and once drove it to Riverside and back over a weekend.

"But one thing I can't find is a fan belt," he added.

Any one have a spare 1910 fan belt for a "T" model around the house?

General Dynamics' TV Show Discussed In Reader's Digest

General Dynamics Corporation's "Youth Wants to Know" television program is spotlighted in the current August issue of Reader's Digest.

Getting special attention is Theodore Granik, founder and moderator of the program and one of the radio industry's early greats. In that medium, he began his career in 1925.

The Digest article said General Dynamics, of which Convair is a division, is considering sending the panel on a nationwide television tour in order to give teenagers the country over a chance to join.

Rates Available for Mexico Air Jaunts

Special rates for Convair San Diego employees interested in flying vacations to various points in Mexico may now be arranged through employee services offices at SD.

The tours include 10 and seven-day trips to points of interest throughout Mexico. Further information is available by calling ext. 1245, Plant 1.

Parallel Dates Pursue Twins

(For picture, see page 5)

Two Convair Fort Worth employees can boast of an amazing set of parallels in their lives.

They were born on the same date. They came to work at Convair Fort Worth on the same date—Nov. 26, 1951.

And then on June 16, 1953, they both left. Both went to the army—and on the same date.

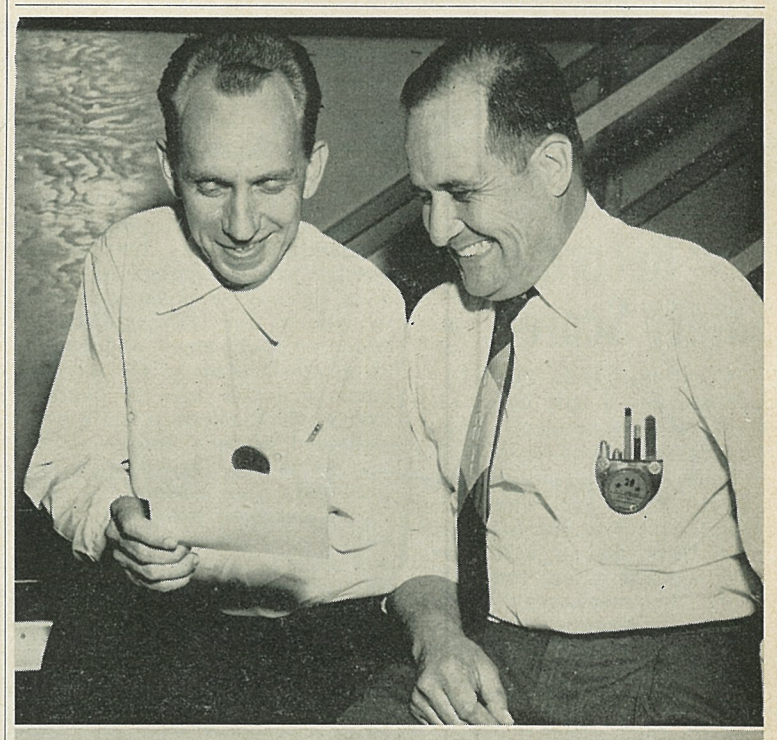
Late last month, both were back at Convair. This time—on July 27—they both were trying to return to work.

What's more, their names are similar. Should be, perhaps. They're identical twins: Wendell and Mendell Cole. And both went to work in Dept. 81.

But there the whole thing blows up. One works as a milling machine operator, the other as a grinder operator. And if you want to know which is which: ask 'em.

ALTER NEW VEEP FOR NYU ALUMNI

Horace J. Alter of Dept. 6 at Convair SD last month was elected vice president of the New York University Alumni Club of San Diego County. He will serve for one year.



REUNION—When Ray Kendall, Convair FW general foreman, visited San Diego recently, he brought along a 20-year-old photo of a fishing trip to Laguna Hanson in Baja California. In top picture, Kendall, right, is looking it over with S. S. Stearn, SD Dept. 30 foreman. Old scene is reproduced below, showing Kendall, Stearn and George Wire, former factory manager, holding king-size catch of bass. Also along were J. P. Hopman, Frank Popadowski, Joe Drodz. They caught 80 fish in an hour, on plugs.

Convair Boy on Way to Akron as San Diego Entry in Derby Race

(For picture, see page 5)

A Convair San Diego mother and her 14-year-old son were winging their way toward Akron, Ohio, today (Aug. 10) in quest of a possible national title.

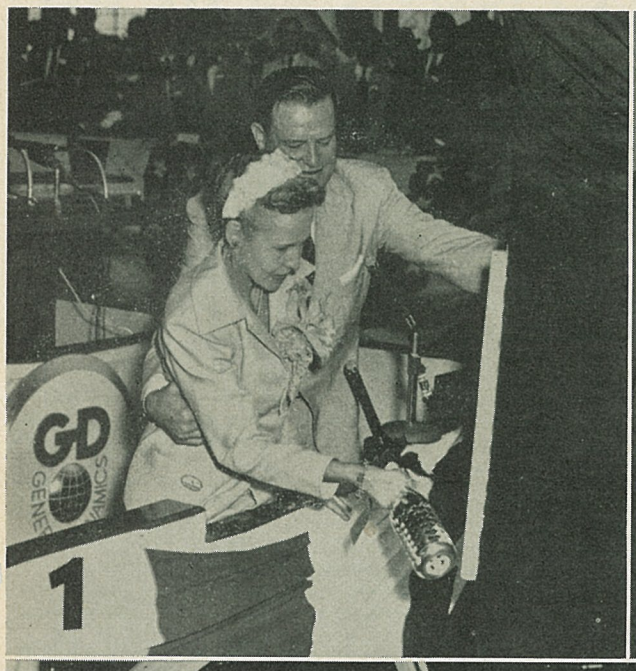
Young David Hayward, son of Christine Hayward, Dept. 4, will enter the All-American Soap Box Derby Sunday (Aug. 14) against winners from across the nation. He earned the right to represent San Diego in the Derby by winning over a field of 270 contestants July 16.

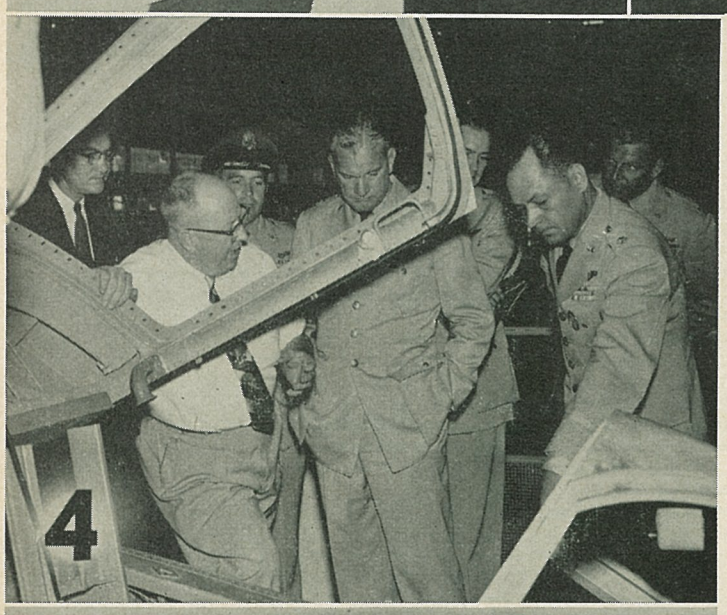
Mrs. Hayward is accompanying her son on the trip with the compliments of Louis H. Kornik, local automobile dealer, who is personally financing her flight to and from the event.

The younger Hayward is pinning his hopes in the Derby on a design he created especially for his racer. It features bulges in the side of the frame which allow him to hide his shoulders and lessen wind resistance and includes springs, an unusual addition to the lightweight racers.

Hayward was clocked at 27.203 seconds for the 975.4-foot downhill course at San Diego which is identical to the Derby site in Akron. The winner of the 1954 event at Akron was clocked at 27.80 seconds.

Launching of Atomic Submarine Seawolf Highlights Picture News





(1) Mrs. W. Sterling Cole, sponsor of atomic submarine Seawolf, built by General Dynamics' Electric Boat Division, swings at a moving target at launching last month. With her is John Jay Hopkins, General Dynamics board chairman and president.

(2) Recent visitors to Convair Fort Worth were Sidney R. Curtis, left, and Andrew H. Bergeson, right, of Stromberg-Carlson Division of General Dynamics, shown with B. G. Reed, assistant FW manager. Curtis is vice president in charge of government contracts; Bergeson is vice president for engineering.

(3) Packing for trip to Akron, Ohio and Soap Box Derby finals are Christine Hayward of SD Dept. 4 and son David who won honor as San Diego's entry. They left this week.

(4) Maj. Gen. Robert B. Landry, commanding the Fourth Air Force, shown inspecting F-102 line at San Diego. Left to right: E. F. Jones, assistant to Convair president; A. P. Higgins, Plant 2 works manager; Col. J. F. McCarthy Jr., AF plant representative; the general; Lt. Col. W. B. Adams, SD Air Reserve Training Center commandant.

(5) and (6) Management Club picnic at San Diego last month was a whirl for kids and adults, too. In No. 5 youngsters are shown on horseback, one of day's activities. In No. 6 "leg show" is in progress. Inset shows how they appeared to audience.

(7) Thanks to SD engineering's Jack Carter (who heard about it) and SD plant Public Relations (who acted on it), a forthcoming Cuban stamp issue will carry authentic F-102 sketch. Shown is artist's original conception which probably will be improved now that photographs have been sent to Cuba.

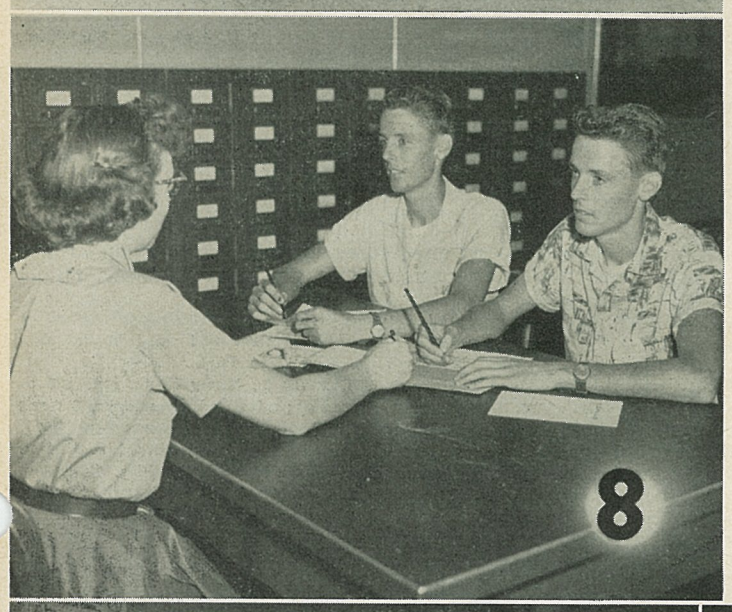
(8) Mendell and Wendell Cole are back at Convair FW again. Identical twins, they returned to Convair after two year Army stint. They left on same day, returned on same day. Shown with them is Mary Braungardt of FW employment.

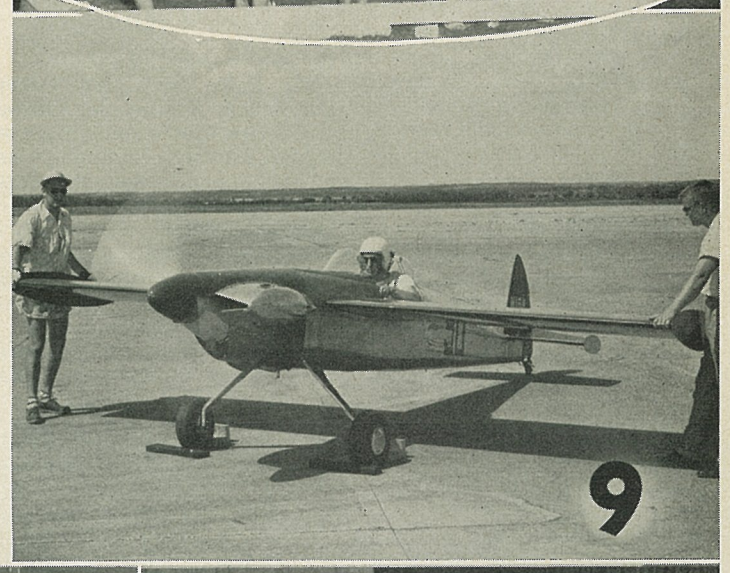
(9) FW Engineer Gene Turner is shown in cockpit of midget plane with which he won recent race. Paul Schroeder, left, is builder, and Marshall Clayborn, right, also sometimes flies it.

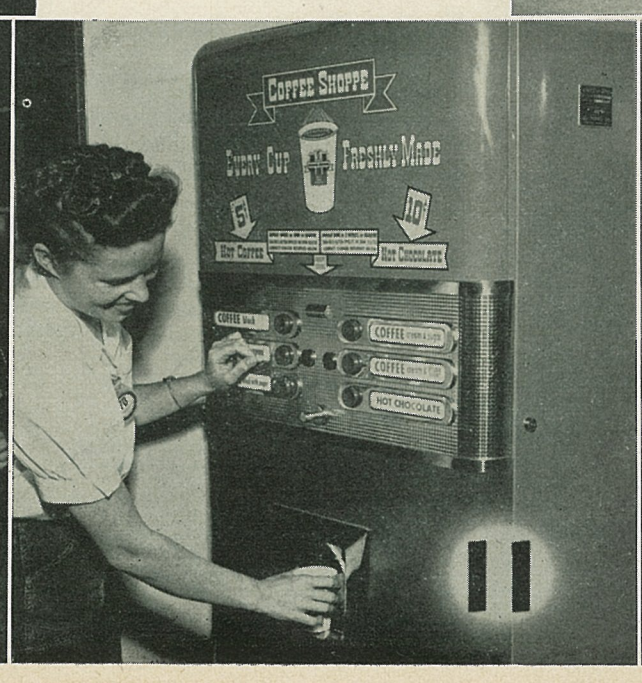
(10) Apprentices became journeymen recently at SD when A. W. Morgan, left, SD assistant manager-operations, presented certificates. They are: J. E. Smiley, maintenance machinist; G. K. Shakespeare, Dept. 603 tool & die & jig builder; M. P. Scherl Jr., Dept. 403 tool & die & jig builder.

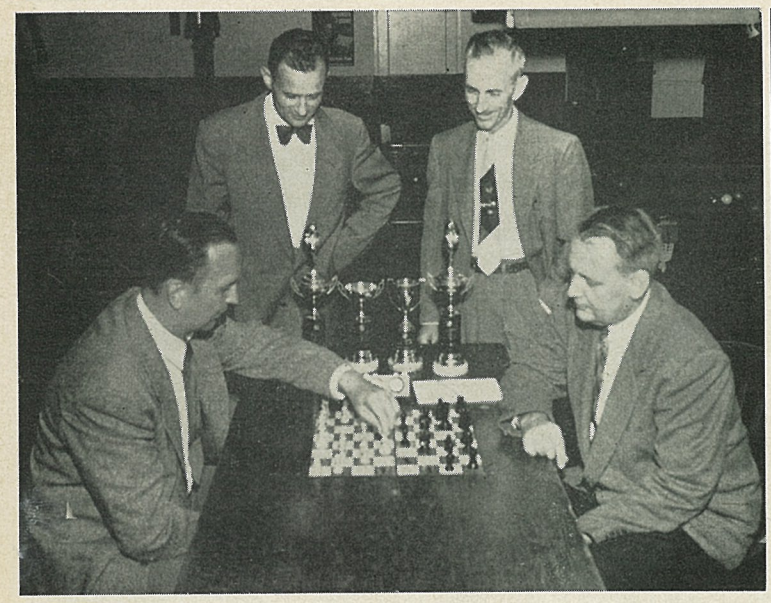
(11) New style vending machines went into service in parts of Convair SD recently. Shown is a "six button push" type that gives varieties of hot drinks.

(12) August C. Esenwein, left, Convair vice president and manager of FW plant, receives his five-year service pin from Gen. Joseph T. McNarney, president.









TOP FOUR—When CRA Chess Club wound up 20-week tournament, here were leaders. Left to right: C. F. Kettner (Dept. 6), third place; Julius Singer (Dept. 31), fourth place; W. C. Thornton (Dept. 522), second place; A. E. Munson (Dept. 6), CRA commissioner, first place.

★ ★ Rivets ★ ★

What the well dressed engineer will wear was displayed last week at San Diego by **Walter Swarthout** in the vicinity of col. J5, second floor, Bldg. 5. He blossomed in Bermuda shorts (blue), white shirt and bow tie, black knee length sox and sneakers!

Associates looked upon the attire as an innovation but Swarthout seemed unimpressed by his own sartorial magnificence.

* * *

For two years **Harry Bing,** CRA archery commissioner, has been looking forward to shooting down a deer with his bow and arrow. Last month he was hunting with **Fred Leon** (Dept. 24), **Charlie Wiggs** (Dept. 6), **Don Wilborn** (Dept. 24) in the Malibu area and tracked several deer up and down dale for about an hour. Bing was in the lead when he suddenly overtook them. He was less than 20 yards away. Then came buck fever. All he could do was stand and stare. The deer eventually took alarm and loped off, leaving Bing still standing transfixed.

Never mind, Harry, you aren't the first one.

* * *

When **Jim Terrien** of SD payroll was on vacation in Arizona with his three sons he sent back this note from Phoenix:

"The boys are playing leap frog in the back seat. The car cooler leaked all over the front door. The boys forgot to put the cap on the ice box in the trunk. It's 112 degrees today . . . Good old San Diego!"

* * *

Whenever **Gordon W o l c o t t** (normally manager of the Dayton Office) comes to San Diego avisiting, he gives **Gordon Alcott** of Dept. 22 a hard time.

Seems as though every time Wolcott's name is broadcast over the plant system Alcott comes arunning!

* * *

Congratulations to **J. W. Wilde,** SD dynamics engineer, and his wife, **Ruth Wilde,** engineering assistant in service engineering section. They recently celebrated 25 years of married life.

Once-a-Week Skate Sessions Continue

Convair SD's ice skating activity will continue on a once-a-week schedule for the next few weeks to determine whether sufficient interest is shown to continue ice skating through the winter m o n t h s, Commissioner Bud Davies said this week.

Thursday sessions at Sonald Ice S k a t i n g Studio, Midway Drive, will continue for second shift at 1:30 p.m. and for first shift at 6:30 p.m.

Unless attendance picks up, either one or both of the sessions will be dropped, Davis added.

GIRLS WILL MODEL FOR CAMERA CLUB

Convair SD Camera Club will hold a beach party and corn roast Sunday (Aug. 14) at Silver Strand State Park (the bay side) with several Convair girls planning to model beach attire for the occasion.

Two Divide Honors In Photo Contests

Ben Dalbo and May Osborn split honors during the Convair SD Camera Club's quarterly competition, the former winning black and white honors and the latter taking the color prize.

Other black and white winners in order were: Matt Beddow and Dalbo. Second in color slides was Mark Matyas, while newcomer Lucky Sawamura took third.

Honorable mentions were given to A. Perry, M. G. Osborn and Bill Taylor.

INSTALLATION—Amateur radio operators at SD gathered at Michael's in Lemon Grove July 16 for banquet and installation of officers. Art Zagon, right, heads front row of new officers, including Bud Castile, Roy Ramirez and Jim Grimsby. John Catterall, right rear, is new treasurer, while Roger Bucaro, Vern Harrison and Leonard Fugate are outgoing officers shown with Jesse Baker, center, CRA commissioner.

Research Director Next Speaker For SD Management Club

Dr. Charles Critchfield, Convair's director of scientific research, will speak at the Aug. 17 meeting of the Convair San Diego Management Club scheduled for the Balboa Park Club.

Dr. Critchfield will discuss "Scientific Research and Your Job at Convair." The meeting is under the joint sponsorship of engineering and experimental.

Light entertainment will follow the main speaker and the usual drawing for prizes will center around power tools and home workshops.

CRA Mineral Club Plans Mine Visits

Two mines will be visited by members of the CRA Mineral Club Sunday (Aug. 14) on a special field trip.

The group will tour the Black Mountain arsenic mine for specimens and then visit the Ready Relief mine where the owner will operate gold mining equipment in a demonstration. Rendezvous point for the group is the parking lot in front of the Conference Building, Balboa Park, with departure time set for 7:30 a.m.

Dahlias, Vegetables To Highlight Show

Dahlias, fruits and vegetables will highlight the annual Convair Garden Club summer show next Sunday, August 14 in the Floral Association Bldg., Balboa Park. There will also be divisions for flower arrangements, corsages and children's displays.

Entries will be received from 7:30 to 11 a.m. and the show will be open to the public from 12:30 to 5 p.m. All Convair employees and their families are eligible to enter.

DRIVERS! Any Room In Your Automobiles?

Convair San Diego's driver-rider situation has reached the acute stage again with requests outnumbering available rides.

Drivers with room for riders are needed for all parts of the county, especially the North Park area.

If you have space for passengers or need a ride, contact Dorothy Marques at ext. 300, Plant 1, or Ann King, ext. 594, Plant 2.

Yanks Off to Fast Second Half Start

It looks like smooth sailing for the Yanks in CRA Little League competition at Convair SD this week.

The Yanks copped the first half of play and have won four straight in the second round which closes Aug. 19. The Dodgers and Red Sox are tied for second, while the Cards hold down the cellar position. A second-half victory by the Yanks will eliminate playoffs set for the fourth week of August.

Novice Square Dancer Class Scheduled

Square dancers at Convair SD will launch their 13th beginners class Sept. 13 with sessions to be held from 8 to 10 p.m. each Tuesday at American Legion Hall.

Students may join the class by attending the f i r s t session. Registrations will be held on a first-come, first-served basis due to limited facilities, according to Commissioner Larry Roth.

SD Actors Get Leads

Two Convair San Diego men will play leads in an original play which opens Aug. 28 at the Drury Lane Playhouse in La Jolla and runs through Sept. 3. Preston Hibbard (Dept. 522) plays the role of "Davy Jones," while Bill Ayer (Dept. 22) portrays "Newt" in "The Trial of Joshua Tripp."

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays at 6 p.m., Santa Clara Point, Mission Beach.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative, AT 1-4612 after 10 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., beginning ballroom; 8:30 to 9:30, advance intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m. junior high teen-agers; 9 to 10, beginning all Latin.

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations contact Mrs. McGrath, AT 2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners. Entries being accepted for winter bowling. Contact either Brooks or Hayman.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays, each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1451, Plant 1. Rehearsals discontinued until fall.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Meetings discontinued until fall.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Meetings discontinued during August and September. Summer show (dahlias, fruits and vegetables) Aug. 14.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2 (second shift), commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Monthly shoots discontinued until October.

HORSESHOES—Kurt Klein, commissioner, ext. 1710, Plant 1.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Skating sessions for Convair employees and their families each Thursday at 1 p.m. and 6:30 p.m. at Sonald Ice Skating Studio, 3464 Midway Drive. For further information call AC 2-4467 or visit studio.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free movies at CRA Clubhouse discontinued until fall. Bargain rates each Tuesday and Thursday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Aug. 11) 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults) 7:30 p.m.; Saturday, beginners, 9 a.m. to 1 p.m.; intermediate 1 to 2 p.m.; advanced 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations call Palomar Stables, CY 6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 507, Plant 2; (second shift) Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT 4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. Call Tom Simpson, HU 8-5923 (after 4 p.m.) for further information.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Intermediates, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmont Ave. New beginners class starts Sept. 13.

STAMP CLUB—Jack Benedict, commissioner. Meetings discontinued until fall.

SWIMMING—Convair swim night for employees and their families, Saturday, Sept. 10, Mission Beach Plunge, 7 to 9:30 p.m.; Gillespie Field Plunge, Sunday, Aug. 21, 10 a.m. to noon. Tickets available at employee services, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Workshop sessions Tuesdays and Thursdays.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

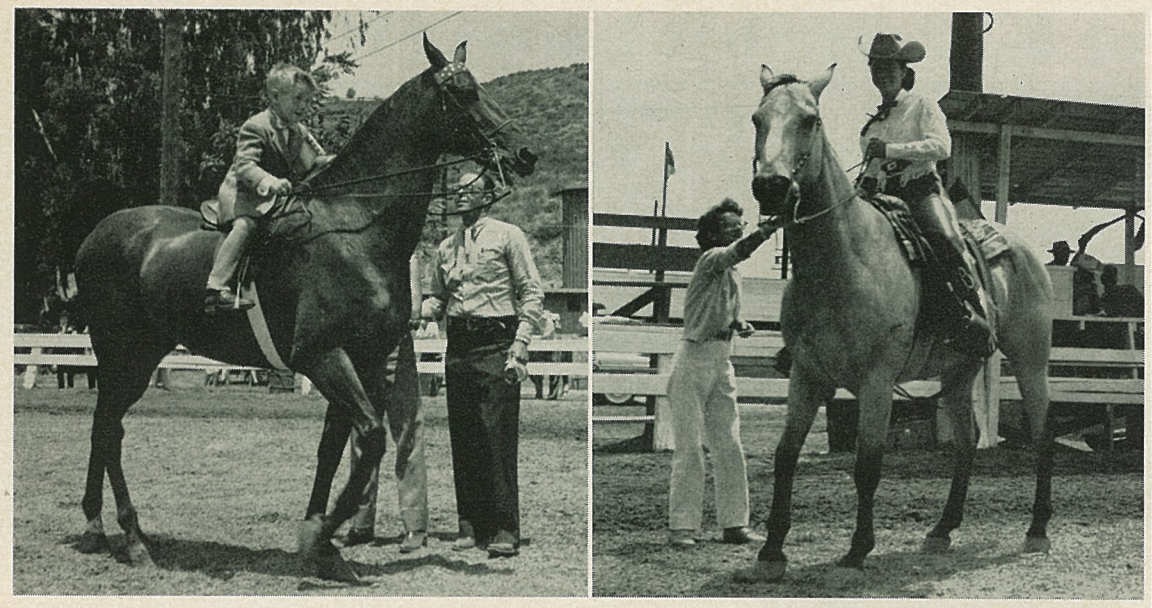
Bargain-rate movies each Tuesday and Thursday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Thursday, Aug. 11: CREATURE FROM THE BLACK LAGOON and MONSTER FROM THE OCEAN FLOOR.

Tuesday, Aug. 16: SHANE (Technicolor), Alan Ladd, Jean Arthur. RUBY GENTRY, Charlton Heston, Jennifer Jones.

Thursday, Aug. 18: RETREAT HELL, Frank Lovejoy. COMBAT SQUAD, John Ireland.

Tuesday, Aug. 23: PICK UP ON SOUTH STREET, Richard Widmark, Jean Peters. RED SKIES OF MONTANA (Technicolor), Richard Widmark.



SHOW SCENES—Riding Club's seventh annual horse show was a big success. At top left is Mark Robb, youngest entry, up on Yankee Ann, receiving award from Costello O'Neil, wife of Gen. Foreman K. E. O'Neil. In picture is Clark Batchelder, ring master, former Convair man. At right is Barbara Darnell, daughter of Dept. 70's Frank Darnell, receiving award from Mrs. Marc Beresford, wife of CRA commissioner.

CRA *Sports & Recreation* Convairiety

Troubles in Sight For Front Running Nines

There was nothing but trouble in sight for front runners in CRA plant softball leagues at Convair San Diego as press time rolled around late last week.

Three teams in each loop, Departments 8, 603 and Mockup in the American and Departments 70, 522 and 558 in the National, had an inside chance to win as the final three weeks of play neared.

Mockup and Dept. 603 tangled Monday night (Aug. 8), while Mockup takes on Dept. 8 in an Aug. 22 game. Each team had won five and lost one through games last week in the American.

Depts. 558 and 522 tangled Friday (Aug. 5) in a crucial National loop game, while Dept. 70, beaten only once, apparently had little worry in its last three games.

League winners meet in the first of a three-games series Aug. 29 to determine the plant championship.

SCHEDULE

AMERICAN LEAGUE

Date	Time	Field	Teams
Aug. 15	6:30	Cabrillo	App. vs. Elec.
Aug. 15	8:15	Cabrillo	603 vs Wing & Tail
Aug. 15	6:30	Convair	4 vs 22
Aug. 15	8:15	Convair	11 vs 8
Aug. 17	8:15	Convair	Mockup vs Ramp
Aug. 22	6:30	Cabrillo	Ramp vs 603
Aug. 22	8:15	Cabrillo	Wing & Tail vs 22
Aug. 22	6:30	Convair	Mockup vs 8
Aug. 22	8:15	Convair	4 vs Elec.
Aug. 24	6:30	Convair	11 vs App.

NATIONAL LEAGUE

Aug. 12	6:30	Presidio	524 vs 406
Aug. 12	8:15	Presidio	55 vs 558
Aug. 12	6:30	Convair	31 vs 110
Aug. 12	8:15	Convair	70 vs 215
Aug. 17	6:30	Convair	406 vs 110
Aug. 19	6:30	Presidio	558 vs 215
Aug. 19	8:15	Presidio	31 vs 70
Aug. 19	6:30	Convair	522 vs 55
Aug. 19	8:15	Convair	52 vs 524
Aug. 24	8:15	Convair	55 vs 52
Aug. 26	6:30	Presidio	70 vs 406
Aug. 26	8:15	Presidio	215 vs 522
Aug. 26	6:30	Convair	524 vs 110
Aug. 26	8:15	Convair	558 vs 31

AF Officer Extends Collier But Champ Rallies, Retains Net Title

Upsets and near-upsets marked the Convair SD men's singles tennis championship staged July 31 at Morley Field, but the end result was much the same—Dick Collier won again.

Collier (Dept. 6) chalked up his eighth straight singles title but not before rallying to down Lt. C. N. Jones of the AF plant representative's office by 5-7, 6-4, 6-3. Lt. Jones grabbed the first set and moved ahead 3-1 in the second before Collier found a solution.

A pair of college students employed for the summer months—Barry Boehm and Arlen Wolfert—pulled the upset of the day, downing two of Convair's top seeded players. Boehm beat Harrison Bodwell, 7-5, 6-4, while Wolfert stopped second-rated Larry Chambers, 6-4, 6-3.

Collier eliminated Boehm, 6-2, 6-2, and Chet Dutton beat Wolfert 6-4, 6-0.

Frank Wendzell won the consolation bracket, topping John Eulette 6-4, 6-0.

SD Eagles Practice For ASA Tournament

Convair's Eagles wind up their 1955 softball season this week and start practice sessions in preparation for the San Diego ASA tournament which is set for Aug. 18-19-20-21 at La Mesa. Winner of that tournament represents San Diego in the South Pacific ASA tournament which runs the first week in September.

Meanwhile, the Convair-Liners of the Industrial loop play their final game of the season this week with a cinch for second place in the loop.

Pistol Club Second In Invitation Shoot

Convair SD Pistol Club came in second at the Solar Employees Invitational Pistol Shoot held July 31 at the Police pistol range.

First place in the handicap event went to Naval Air Station with 1,187 points. Convair's team No. 4 (Russ Oliver, Tom Little, Joe Williamson and Ash Bishop) garnered 1,178 points.

Thirteen teams representing five organizations took part in the second shoot of this type staged by Solar.

Tom Little Doubles In Pistol Shooting

Tom Little scored a double victory in CRA Pistol Club competition at SD July 24 by winning both the .22 police course event and the Short National.

Bill Geopfarth, R. B. Brungard and C. L. Smith won other police course classes, while Harold Jensen, Joe Williamson, J. R. Oliver and Jim Halfacre finished in that order behind Little in the national competition.

SIDELIGHT—Two unidentified youngsters get into their duds before CRA horse show. Children's divisions drew one of best fields ever.

Recreation Facilities Opened To Convair SD South of Border

New recreational facilities south of the border became a reality for Convair San Diego employees recently when CRA purchased a limited number of memberships in the Buena Vista Rod and Gun Club.

The club, located near Rancho San Jose (Melling Ranch), is about 200 miles south of the border in the rugged interior of Baja California, Mexico. The country is noted for its excellent quail, dove and deer hunting, plus an abundance of mountain trout in nearby streams.

While construction work at the club is now under way, CRA members may utilize facilities of the Melling Ranch, which include room and board, a swimming pool, horseback riding, barbecues, etc.

Rates for employees are $7 per day and include room and board, horses and ranch facilities. Arrangements may be made at the ranch for pack trips into the nearby mountains to altitudes up to 9,000-feet.

Reservations are required and must be made several weeks in advance, both at the ranch and for CRA's membership cards. (Without these cards, rates are $10 per day per person.)

Information about the facilities or reservations may be obtained by contacting CRA at ext. 1245, Plant 1.

Golfers Await Yater Tourney

Convair San Diego golfers will take part in one of the main events of the year Aug. 20-21 and Aug. 27-28 when they tee off in the second annual "Charles Yater Memorial Tournament."

Opening rounds in the 36-hole medal play event will be Aug. 20-21 at La Jolla Country Club, while the final 18 holes will be fired at Agua Caliente Country Club Aug. 27-28.

Frenk Meer of Dept. 4 is the defending champion. The field is expected to be one of the largest of the year for CRA-sponsored golf events.

Play will be held within four handicap groups with the grand winner being the man posting the lowest net score.

The perpetual Charles Yater trophy will go to the winner as well as an individual award. Low net and low gross winners within each handicap group will also receive suitable awards.

Bargain Rate Grid Ducats Go on Sale

Bargain rate tickets for the seventh annual Southern California Prep Football Classic at Balboa Stadium Aug. 31 went on sale at employee services offices at Convair San Diego this week.

Regular $1.50 general admission ducats are being offered for $1.05.

The game pits prep teams representing Los Angeles against an all-Southern California team. Proceeds go to the San Diego Children's Dental Health Center. The game is sponsored by the Breitbard Athletic Foundation.

104 Entries Compete In SD Horse Show

Convair Riding Club at San Diego rang down the curtain on the biggest horse show ever staged when final prizes were awarded in the seventh annual event staged July 24 at Palomar Stables.

Some 104 separate entries competed in the day-long show with as many as 38 contestants entered in a single class.

Youngsters took over for the morning session, while adults performed in the afternoon. About 500 spectators were on hand.

"I wish to thank the many individuals who worked hard to help us," said Commissioner Marc Beresford.

Special Meeting of SD Keglers Called

Keglers interested in entering mixed competition in a number of leagues this winter at Convair SD were asked by Jim Hayman, CRA commissioner, to attend a special meeting set for 7 p.m. Aug. 19 at Pacific Recreation.

Ten winter leagues will start around Sept. 7 with mixed leagues scheduled for Wednesday, Thursday and Friday nights.

Circus-Picnic Plans Underway

Planning for the seventh annual CRA Circus-Picnic (Sept. 17-18 at Del Mar) picked up at Convair San Diego this week with the two-day event only five weeks away.

CRA President Larry Roth last week made important committee appointments and completed final arrangements with "Carolina" and Jo Brunson of Hollywood, show agents, for the afternoon acts.

"Free prizes for both youngsters and adults will be distributed each day at a drawing," Roth added.

The midway again will feature rides scaled to various ages and more special performances like the ever popular puppet show will be included this year.

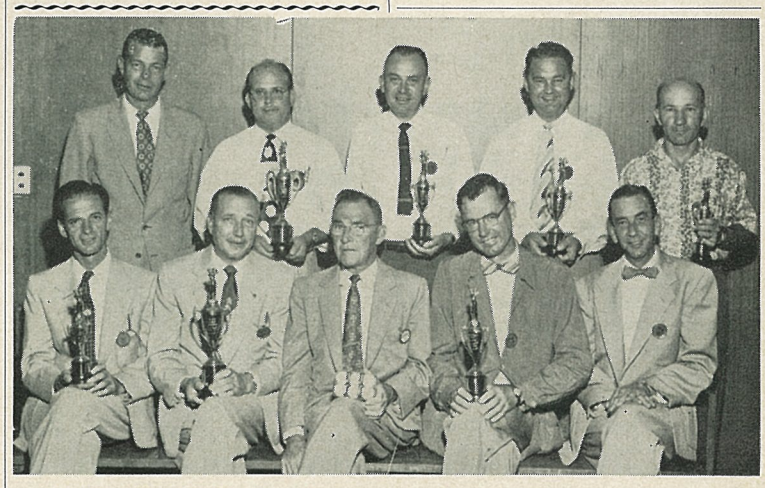
Harris & Heathman Winning Golf Team

L. D. Harris and W. H. Heathman teamed to score a net 136 for first place in the low net partners event held by Convair SD golfers July 23-24 at La Jolla Country Club.

Frank Pickard and Ed Delourey finished a close second with a total net of 137.

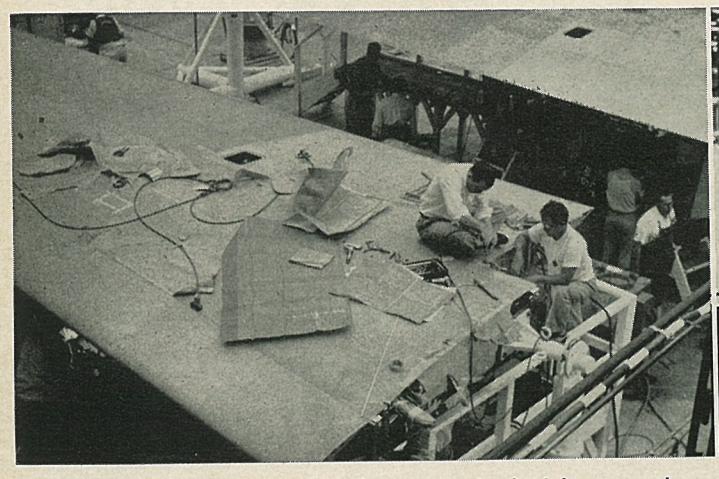
Oscar Bell and Dave Ramirez tied with D. Fisher and Andy Simington for third with net 141s.

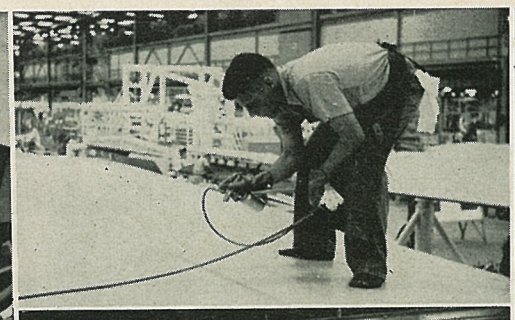
FAR AFIELD—Though a long way from home, these Convair men at Edwards AFB carry CRA colors in local softball league. Their uniforms carry F-102 insignia on backs.

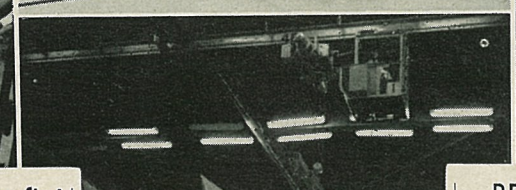


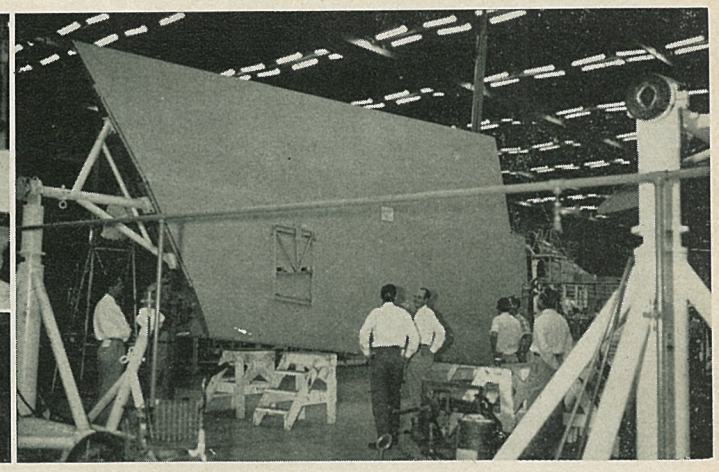
LINKS LEADERS—Trophy winners during NAF golf tournament pose with trophies. Standing at left is Gerry Cox, team captain.

First Outer Wing Panel For B-52 Bomber Leaves FW For Wichita









FINAL STAGES—This was the way it looked last month as first B-52 outer wing panel was readied at Fort Worth for shipment to Boeing at Wichita, Kan. In photo above R. C. Cobb and J. R. Pickel work atop wing. Top center: R. H. Blood, in stocking feet so as not to mar skin, applies last "breath" of paint.

First of Vertical Fins Built at FW For B-52 Bomber Nears Completion

Convair Fort Worth's first outer wing panels for the B-52 jet bomber had gone onto the assembly line at Boeing Wichita this week.

And at the same time, Dept. 42 crews were nearing completion of the first Fort Worth-built B-52 vertical fin in the 200-foot bay of the assembly bldg.

"The B-52 outer wing panels went out of here on schedule," said Supt. R. E. Davis, "and the fin will do likewise—barring developments beyond our control."

The wing panels, being built for the all-jet bomber under subcontract with Boeing, were pulled out for the department by traffic and loaded in the shipping section onto railroad flatcars.

They arrived at the Wichita plant without mishap and went into production as scheduled.

R. D. Knowles, general foreman for Depts. 41 and 42, expressed his department's appreciation for the assistance rendered by other departments in helping meet the schedule.

OFF AND GONE — Wing panel starts half-mile trip to shipping and ultimately to crate on flat car.

READY TO GO—With help of crane on monorail, wing panel is turned vertical again and is ready to go.

Fort Worth Folk Merit Praise For Efficiency on TF-102 Task

Convair Fort Worth's first contribution to San Diego's TF-102 production got a warm "thank you" from San Diego.

Said F. B. Coffer, of San Diego's material department, in a wire to R. E. Niblo, TF-102 administrator at Convair FW:

"Shipment arrived on schedule.

"We wish to commend Convair Fort Worth people for the efficient manner in which the program has been handled.

"The shipment has been inspected and is . . . (being put into production).

"San Diego shop personnel tell us there are no major problems so far."

Said Niblo: "Fort Worth folks likewise appreciate the co-operation of all San Diego people involved. It certainly made our job that much easier."

His words were seconded by Ray Kendall, TF-102 work foreman who went to San Diego in July to help transfer the work back to SD.

TWINS—Air Force's two Convair YC-131Cs are shown in rare flight photograph. Planes are operating for MATS on semi-scheduled basis.

F-102 Test Ejection Seat Survives 40 'Crash Landings' on Speed Sled

An F-102 pilot ejection seat came back to Convair San Diego late last month apparently none the worse for 40 "crash landings."

These "landings" were actually high speed sled runs which subjected the escape equipment to many times the normal force associated with aircraft accidents.

Tests were conducted over the past six months at Holloman Air Development Center, N.M., by an Air Force Aero Medical group headed by Lt. Col. John P. Stapp (the man who made history by riding a speed sled 632 miles per hour).

H. F. Mohrlock of Convair San Diego's pilot escape section of engineering was on hand for some of the tests.

"We put the equipment to maximum tests to determine what it could endure and at the same time made some discoveries which will prove valuable in designing pilot escape units for future supersonic aircraft," Mohrlock said.

While exact data gained in the tests is classified, it can be revealed that the Convair-designed equipment survived the entire range of Air Force tests which were well beyond any specifications set for present aircraft.

"This was remarkable since our original idea was to test the equipment to failure," Mohrlock added. "The escape unit stood up under the very toughest tests without a major failure."

Modification of the speed sled equipment was necessary for the tests to include the characteristic "nose-up" landing feature of delta wing aircraft. The escape seat was mounted several feet above the actual sled on rails so that it could be slammed downward at the same time it braked to an abrupt stop.

Weights and dummies were used during the tests to determine the seat's ability to help protect pilots in case of crash landings.

Next step in the program involves disassembling each part of the equipment and subjecting it to exacting inspection to detect hidden flaws or failures.

CANADAIR TO BUILD JETS FOR AFRICA

Canadair has received a $10 million contract to build Mark VI Sabre jets for the South African Air Force, enough to equip two squadrons. These will be the first Canadian-built jet fighters ever exported commercially.

Utilization Steadily Improves For YC-131Cs on Scheduled Service

Military Air Transport Service is well into the second thousand hours of turboprop flight with Convair YC-131Cs.

As of last month, total time on the two aircraft since they were delivered in late January was more than 1,200 hours. This is in excess of the time recorded by Convair previous to delivery.

The two aircraft have been in semi-scheduled operation, flying from Kelly Air Force Base to Andrews AFB, Washington, and to Travis AFB, California. In addition, the twin-engine transports have been demonstrated at various points from coast to coast.

Lt. Col. Samuel C. Burgess, commander of the 1700th Test Squadron to which the planes are assigned, summed up pilots reaction: "It is the most advanced in performance and design, yet the simplest aircraft to fly." Col. Burgess is a senior pilot with more than 10,000 hours logged in military aircraft.

"Increased availability of overhauled YT-56 engines has resulted in increased daily utilization," Col. Claude W. Smith, commander of the 1700th Air Transport Group, reported. "With engines available for 33 plane days in June, a total of 261 hours was flown for a utilization factor of 7.9 hours per day."

(MATS four-engine standard transports are only programmed for a utilization of four hours a day.)

Under the original test schedule, the YT-56 engines, rated at 3,250 equivalent shaft horsepower, were limited to 100 hours flight time and then had to be removed and airlifted to the Allison plant at Indianapolis for complete tear-down and evaluation. Since the first of July, due to the findings in the test program, the time limit has been extended to 150 hours.

During June, one of the aircraft flew a high time of 19 hours and 35 minutes in one 24-hour period. Routine scheduling of this aircraft resulted in flying 44 hours and 20 minutes in three consecutive days. The greatest total time flown on both aircraft in one calendar day has been in excess of 34 hours.

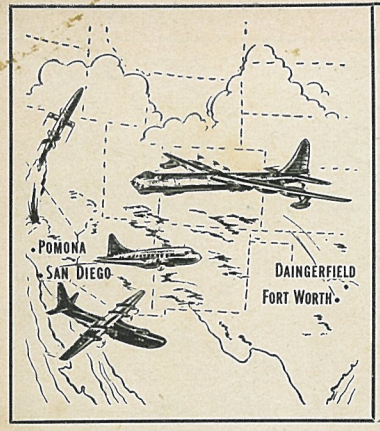
In their scheduled flights on the airways, the turbo-props have established fast flying time for twin-engine aircraft. The 1,519-mile flight from Kelly to Andrews is made in slightly more than four hours. The normal cruising altitude for the new transports with their pressurized cabins is around 21,000 feet. True air speed is approximately 320 m.p.h.

"Ask your Mother, Junior, perhaps she'll know where the other one is."

COMPLETES COURSE

Gerald N. Kruse, Convair San Diego chemist, early this month finished a three-month spectography course held at Boston College, Chestnut Hill, Mass. The course was attended by 35 students representing 13 states and Canada.

SIT TIGHT—H. F. Mohrlock of SD Dept. 6 fits a dummy snugly into ejection seat of F-102 that has been undergoing rigorous testing at San Diego.



Published every other Wednesday by Convair, a Division of General Dynamics Corporation, for the benefit of Convair people everywhere

Convairiety

SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

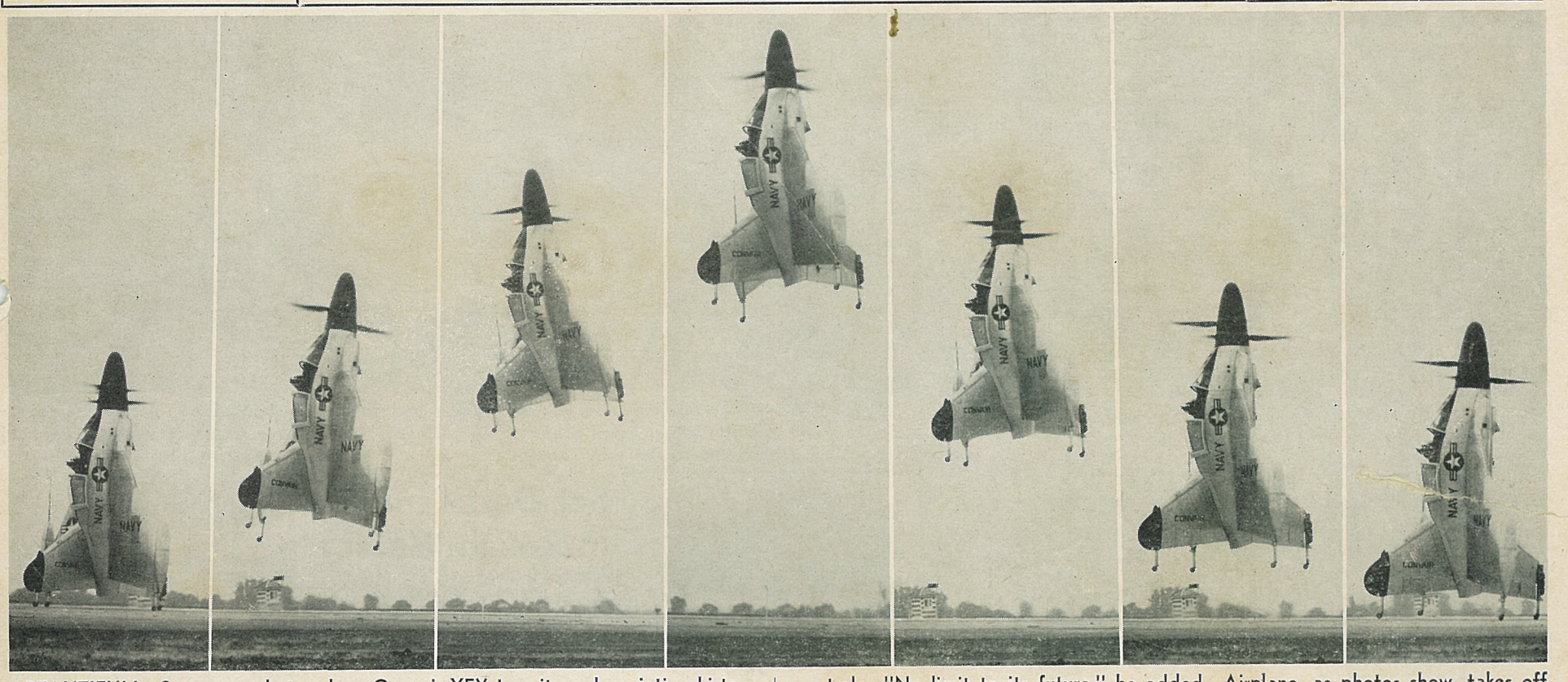
Vol. 7, No. 16 Wednesday, August 11, 1954

San Diego

EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.



BEAUTIFUL!—Sequence photos show Convair XFY-1 as it made aviation history Aug. 1 at Moffett Naval Air Station, recording first free vertical takeoff in history. "Beautiful" was the way Test Pilot "Skeets" Coleman described plane's response to controls. "No limit to its future," he added. Airplane, as photos show, takes off straight up and backs down same way. It is designed to operate as escort fighter from deck of ordinary cargo ship.

Rivets

Coincidence department: In July 14 issue we ran a photo of some Convair people in boats built through the CRA facility at SD. In background was a distant sailboat. Come to find out that we failed to identify everyone in the picture. In the sailboat was **Frank Wintersdorss** of Dept. 8, who just happened to be sailing by in his 18-foot Seagull.

* * *

Chances are that the next time **Clarence Price,** Dept. 406, SD, is flagged down by a policeman he'll be pleased, if only in retrospect.

Price, on a vacation trip with his wife, daughters **Kathryn,** 4, and **Glenda,** 3, and his mother-in-law, **Mrs. Roma Collins,** was "arrested" in Rapid City, South Dakota, recently and presented with the keys to the city, rather than a ticket. It was a Junior Chamber of Commerce stunt and the Price family benefitted by motel accommodations, meals and tickets to tourist attractions.

* * *

Mail bag: **W. Y. Fish,** operations manager of Convair group stationed near Cocoa Beach, Fla., writes thanks for **Convairiety** coverage on operation there, ad-

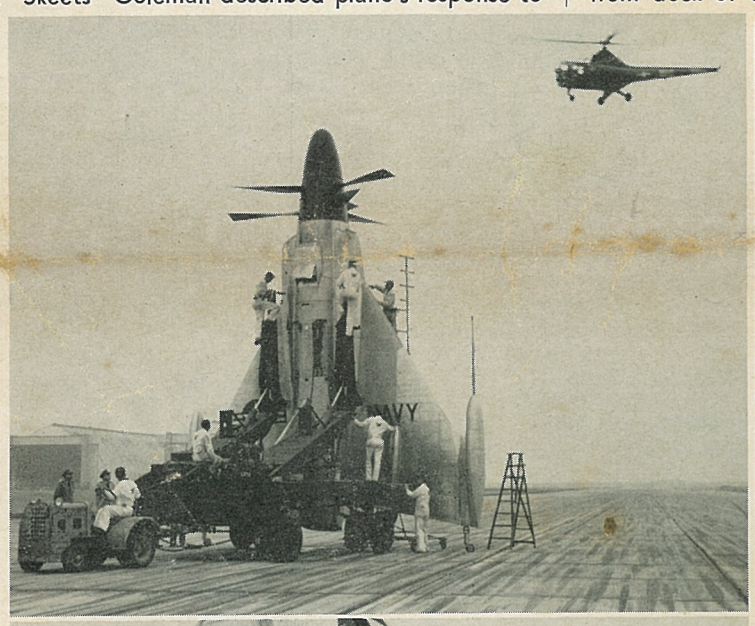
(Continued on Page 2)

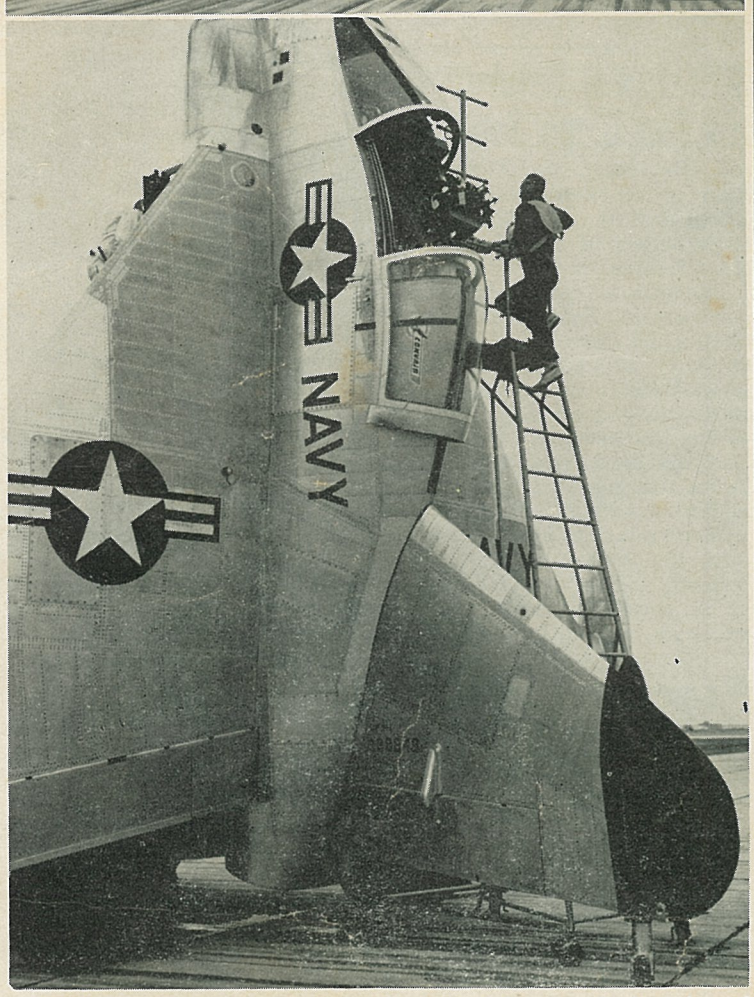
150 Kids Will Start For Camp on Monday

Balances are due and payable for those who have made only deposits to send their children to Camp Cuyamaca under Convair-SD Management Club sponsorship, Chairman Jack Carter said this week.

The first session starts next Monday (Aug. 16) and for this the absolute deadline for full payment is Friday (Aug. 13). The second session is Aug. 23 through Aug. 27 and absolute deadline on full payment for this session is Monday (Aug. 16).

Carter said that about 150 children will start to camp next Monday. He said there remain a few vacancies for the second camp session and urged parents who are interested to act at once, contacting employee service at either plant at San Diego.





CLIMAX—Test Pilot J. F. "Skeets" Coleman climbs aboard XFY-1 at Moffett NAS just before first free flight of this sensational new airplane. Top picture shows plane with Convair ground crew getting it ready while a helicopter "eavesdrops." In background is vast Navy hangar where plane practiced flying in tethered rig.

Horizontal Flight at Brown NAS Slated For Convair's XFY-1

A Convair fighter plane, the sensational XFY-1 delta-wing built for the U.S. Navy, made the first free vertical takeoff in aviation history Aug. 1 from the runways of Moffett Naval Air Station near San Francisco.

The first hop was to 20 feet. Subsequent flights with J. F. "Skeets" Coleman in the cockpit took the plane to 150 feet.

Following more vertical takeoff testing at Moffett, the airplane will be transported to San Diego where it will continue its flight program at Brown Naval Auxiliary Air Station, the Navy announced.

Designed to fly like a conventional fighter after taking off straight up, Coleman indicated that horizontal flight will not be attempted until the plane is at Brown NAS.

The historic first flight was at 9:30 a.m., Sunday, Aug. 1, witnessed by a handful of observers, including members of the Convair ground crew which has been at Moffett since the plane was sent there by surface ship four months ago. Since then the plane has undergone extensive tethered flight testing in a specially designed rig inside a Navy hangar. The Aug. 1 flight was the first completely free of the tethering rig.

"It responded beautifully," Coleman said. "We'll do a little more maneuvering — try a few new tricks—as we go along. But

(Continued on Page 2)

New Security Booklet Out

Latest move in Convair's broad plans for maintaining and improving security is the publication of a brightly edited, streamlined booklet which was coming off the presses this month and eventually will be available to every Convair man and woman.

The two-color pocket-size booklet explains Convair security regulations in an easy to read style. It was prepared by General Office industrial security with the assistance of the promotion and graphic services of public relations.

"These are facts that everyone in Convair, whether they handle classified information or not, should know," Gen. Joseph T. McNarney, Convair president, said.

"We who are engaged in national defense have a solemn responsibility that goes well beyond even the quality of the

(Continued on Page 2)

Pomona Con-Trib-Club Will Equip Crippled Children's Gymnasium

Convair Pomona employees, through their Con-Trib-Club, are purchasing complete new equipment for the gymnasium at Casa Colina Crippled Children's Home near Chino, the Con-Trib-Club committee announced.

The committee gave a second reading and final approval last Thursday to a pledge of $3,500 to equip the gymnasium. This amount will be paid in three installments, with $1,500 due Aug. 15 and $1000 due both Sept. 15 and Oct. 15.

The Home, a private non-profit organization, specializes in the rehabilitation of crippled children through teaching them the simple skills of every day living —strengthening and re-education of muscles. The gymnasium is a highly important facility in this work.

The new equipment will include an Elgin Exercise Table, complete with all accessories, parallel walking bars, two gym mats, four gym mat covers, two

(Continued on Page 2)

Log Book Entries

★ ★ Service Emblems ★ ★

SAN DIEGO

Service emblems due during the period August 1 through August 15:

Fifteen-year: Dept. 3-5, Norma C. Buell. Dept. 31, C. P. McVay, R. W. Whited. Dept. 258, W. J. Gibson. Dept. 300, Everett Oliver. Dept. 406, H. S. Jensen. Dept. 522-2, J. W. Hopkins. Dept. 524-1, F. D. Slavens.

Ten-year: Dept. 4, Irene C. Weir. Dept. 24, E. E. Cain. Dept. 25, Francis Hayden. Dept. 30, H. A. Howell. Dept. 31, J. D. Jackson. Dept. 52, J. W. Hartsfield. Dept. 55, L. I. Wheeler.

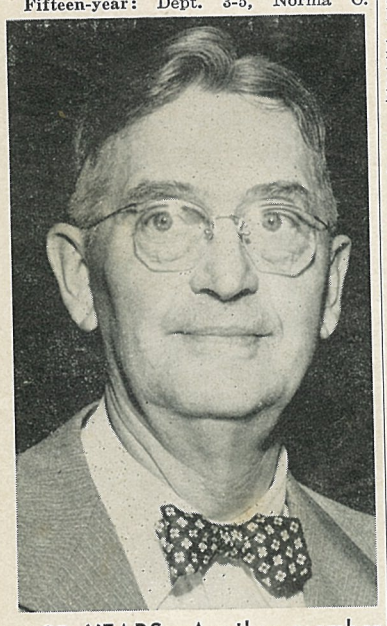
Dept. 101, Lillie Z. Zatorsky. Dept. 110, C. J. Oswald. Dept. 225, J. F. Mayer. Dept. 303, Gordon Monson. Dept. 523, Mildred P. Elie. Dept. 524, Ethel B. Gronoske, J. E. Miller, L. O. Wood.

Five-year: Dept. 3, Agnes S. Grant. Dept. 6, G. C. Eggen, Mildred I. Huey, Cleo W. Orth, Elizabeth V. Smith, Jerome Weissman. Dept. 9, Alice M. McHugh. Dept. 10, V. R. Van Saanen. Dept. 24, J. F. Crawford. Dept. 28, Juan Meza.

Dept. 31, G. E. Heslop, Joe Nunez, G. K. Phares, J. A. Rodgers, F. P. White. Dept. 55, Christine F. Brown, W. L. Ryan. Dept. 60, H. L. Powell. Dept. 70, J. C. Elam. Dept. 102, Helen G. Garren, J. L. Pittsford.

Dept. 205, Mary L. Keeling. Dept. 210, Ruby Y. Buck, Mary R. Riley. Dept. 212, C. H. Leonard. Dept. 225, Lessie D. Camilla. Dept. 250, Mae L. Sinks. Dept. 252, Norma B. Grant.

Dept. 350, W. R. Eade Jr., S. F. Smith. Dept. 355, Nathaniel Steele. Dept. 401, A. C. Johnson. Dept. 522, R. E. Breese. Dept. 528, A. N. Paulsen. Dept. 603, J. V. Racz.



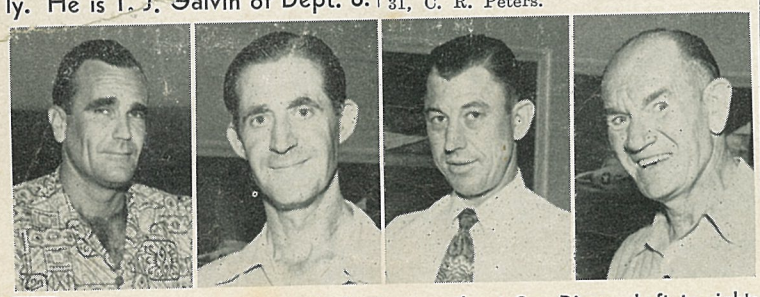
25 YEARS—Another member of Convair 25-Year Club passed his entrance requirements recently. He is T. J. Galvin of Dept. 6.

POMONA

Service emblems due during the month of August:

Ten-year: Dept. 6, Marjorie C. Hultquist. Dept. 24-1, L. R. York. Dept. 31, E. C. Hoppis.

Five-year: Dept. 6, L. K. Evans, G. I. Stone. Dept. 24, C. D. Wilkinson. Dept. 31, C. R. Peters.



Four more 15-year men received pins recently at San Diego. Left to right: James Hogan (Dept. 28-5), C. L. Lyons (Dept. 524-1), A. J. Woods (Dept. 524-2), G. N. Westerlind (Dept. 603-7).

★ ★ ★ Awards ★ ★ ★

SAN DIEGO

Employee Suggestion awards totaled $1659 for the weeks August 1 through August 15:

Dept. 4, Material: A. J. Maracchini.
Dept. 6, Engineering: J. R. Dunphy Jr., R. A. Freedman.
Dept. 9-3, Payroll: D. M. Quinley.
Dept. 10-2, Timekeeping: M. W. Friedman, J. Roisman.
Dept. 22, Manufacturing Control: J. O. Kay, E. S. Seasons.
Dept. 24, Tooling: J. Boone, J. D. Elliff, G. Rankin.
Dept. 25, Plant Engineering: C. H. Harper, J. Janke, V. I. Moore, L. E. Spangler.
Dept. 27, Quality Control: D. W. Avery, D. B. Seaburg.
Dept. 28, Inspection: R. B. Ensminger, R. H. Hall, A. E. Tomlinson.
Dept. 30, Model 8 Final Assembly: A D. Redman.
Dept. 31, Experimental: R. J. Baker, M. H. Hawley, R. J. Larson, L. E. Starkey.
Dept. 43, R3Y Wing: R. E. Sweitzer.
Dept. 52, 340 Wing: J. M. Nelson, E. Whatley Jr.
Dept. 101, Sheet Metal: R. J. Brownell, L. V. Malody, B. R. Robinson.
Dept. 102, Sub-Assembly & Processing: K. W. Stevenson.
Dept. 115, Machine Shop: J. E. Smiley.
Dept. 203, Welding: O. D. Sanders Jr.
Dept. 210, Control Surfaces: Q. D. Brown, W. J. Cox, N. A. Johnson.
Dept. 212, T-29 Fuselage: R. M. Torres.
Dept. 225, T-29 Wing: R. M. Girulat, B. I. Lagace, J. McCormick.
Dept. 235, T-29 Primary: H. Franksston, D. H. Stallings, A. C. Wende.
Dept. 252, Electric Bench & Fabric: M. J. Weir.
Dept. 258, Proofing Mock-Up: W. T. Andersen, H. A. Lasswell, W. H. Mariott.
Dept. 300, Field Operations: W. D. Nowell.
Dept. 355, Fabric & Tubing: E. H. Jorgenson.
Dept. 401, Jigs & Fixtures: W. W. Dancy, H. W. Lavelle, J. D. Smith.
Dept. 403, Tool & Die Shop: H. H. McFaddin.
Dept. 406, Plaster Pattern Shop: V. L. Brooke, G. V. Harding, A. I. Saito.
Dept. 522, Manufacturing Control, Plant 2: D. K. Campbell.
Dept. 524, Tooling, Plant 2: L. H. Cordova.
Dept. 528, Inspection, Plant 2: J. Fodor Jr., (two awards), P. Godfrey, M. H. Quinsler.
Dept. 603, Tool Manufacturing: C. T. Cain, E. B. Peters.

Births

SAN DIEGO

ALEXANDER—Son, B. D. Jr., 7 lbs. 15 oz., born July 26 to Mr. and Mrs. B. D. Alexander, Dept. 28. (Mother is Doris K. Alexander of Dept. 235.)

BOWERS—Son, Russell Neal, 7 lbs. 8 oz., born July 16 to Mr. and Mrs. N. E. Bowers, Dept. 31.

BUCKLES—Daughter, Ginny Sue, 8 lbs. 15½ oz., born July 23 to Mr. and Mrs. Dana J. Buckles, Dept. 3-1.

COLLINS—Daughter, Kathy Ann, 7 lbs. 2 oz., born May 6 to Mr. and Mrs. Albert L. Collins, Dept. 22-1.

DAVIS—Son, Henry James, 6 lbs. 13 oz,. born July 22 to Mr. and Mrs. Andrew Davis, Dept. 25-2.

FOSTER—Son, David John, 8 lbs., born July 7 to Mr. and Mrs. Jack S. Foster, Dept. 6.

JOHNSON—Son, Ezra Louis Ian, 8 lbs. 10 oz., born July 29 to Mr. and Mrs. Ezra L. Johnson, Dept. 350.

MYRICK—Daughter, Nancy Joyce, 9 lbs. 4 oz., born July 8 to Mr. and Mrs. Thomas W. Myrick, Dept. 31.

SUELLING—Son, Kenneth James, 6 lbs. 14¾ oz., born July 17 to Mr. and Mrs. Merle G. Suelling, Dept. 35.

POMONA

DE WITT—Daughter, Pamela Ann, 6 lbs., 7 oz., born June 26 to Mr. and Mrs. Carlton P. DeWitt, Dept. 6.

MINTHORNE—Daughter, Karen Jean, 7 lbs., 9½ oz., born July 14 to Mr. and Mrs. Ralph E. Minthorne, Dept. 63.

OLDS—Son, Curtis Ward, 7 lbs., 5 oz., born April 14 to Mr. and Mrs. Curtis W. Olds, Sr., Dept. 31.

TOPOLSKI—Daughter, Nancy Ann, 5 lbs., 14 oz., born July 16 to Mr. and Mrs. Charles Topolski, Dept. 22.

Deaths

SAN DIEGO

LONG—Margaret, Dept. 3. Died July 27. Survivors: mother, sister, two brothers.

SUTTON—Edmond P., Dept. 25. Died Aug. 1. Survivors: wife, four sons.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective July 26:

Dept. 3-1, Industrial Security: To fire lieutenant, T. A. Szalinski.

Dept. 11-1, Contract Administration: To chief of contract administration—MX—1593, C. W. Blakey Jr. To contract administrator, F. S. Chambers Jr.

Dept. 25, Plant Engineering: To plant engineering asst. supervisor, C. L. Hartshorn Jr. To general foreman, R. T. McMurry. To foreman, J. N. Strong.

Dept. 28, Inspection: To inspection asst. supervisor, L. P. Birse.

Dept. 31, Experimental: to asst. foreman, P. W. Frisby.

Dept. 300, Field Operations: To foreman, W. Heinold, D. W. Williams. To asst. foreman, J. C. Ardoin, J. G. Rogers.

Dept. 303, Model 8 Flight Test Operations: To asst. foreman, T. C. Bevers Jr., B. M. Kellar.

Dept. 529, Palmdale: To asst. foreman, W. M. Hassard.

POMONA

Dept. 6, Engineering: To test lab group engineer, J. B. Ottestad. To design group engineer, C. J. Russnak. To test equipment group engineer, P. S. Wessels.

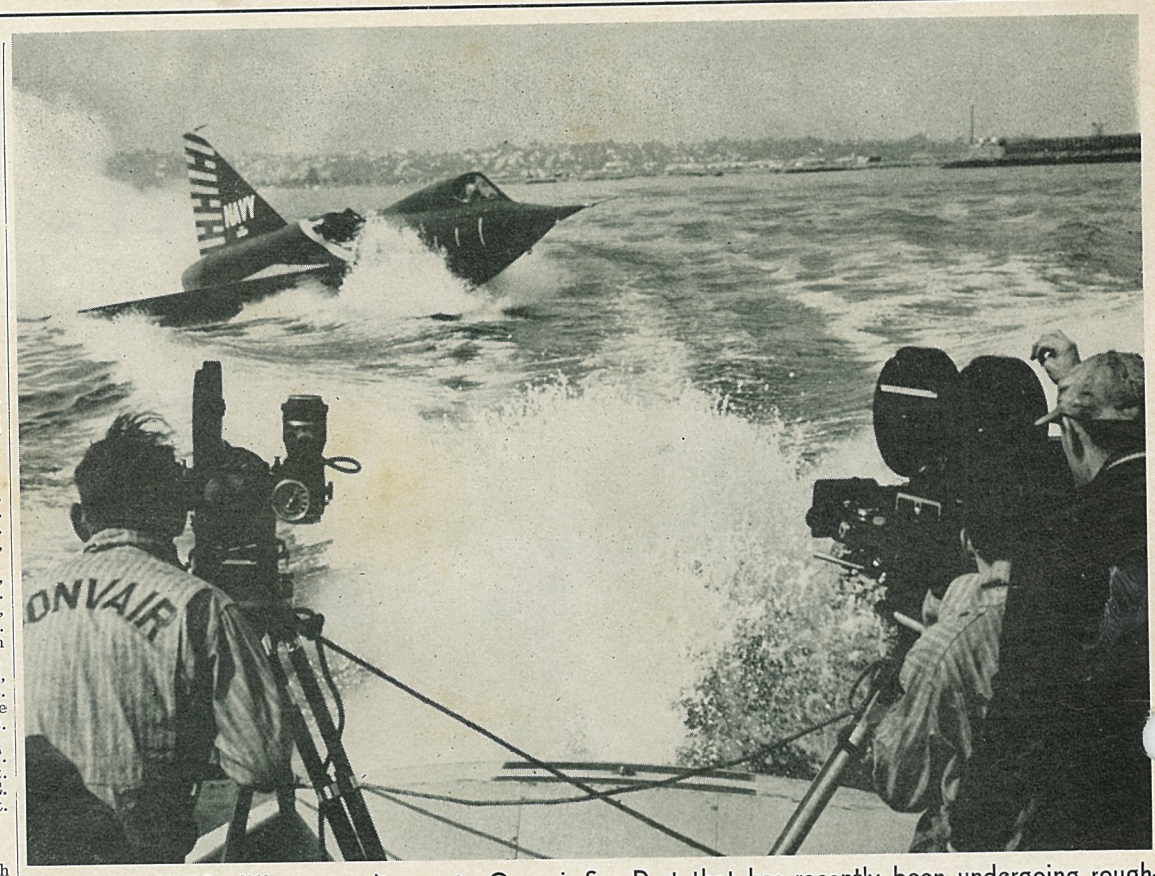
Dept. 27, Quality Control: To process control supervisor, G. E. Wolff.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 50,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.



WHITE CAPS—Waves aren't new to Convair Sea-Dart that has recently been undergoing rough-water taxi and takeoff tests in open ocean off San Diego. Here is plane splashing in wake of speedboat while Convair cameramen grind away.

Rivets

(Continued from Page 1)

ding "the home paper goes a long way toward closing the gap. (We) are still Californians at heart . . ."

* * *

There is an interesting sidelight to one of Convair's recent advertisements, the one that featured a unique globe of the world showing ocean depths and mountain heights in bold relief. A small credit line mentioned the globe was courtesy of Anstead Jewelers in Los Angeles.

Since the ad's appearance in various aviation and general circulation magazines, Anstead's has received nearly 100 inquiries about the globe and has sold out their stock—at $1,200 a throw, too!

(The globes are made in Italy, built up with 34,000 separate pieces of plastic.)

* * *

We flunked botany in the July 28 issue of **Convairiety.** Growth in picture of an F-102 at Edwards AFB, which we described as "yucca" is a Joshua Tree, as was pointed out by a number of persons, including **Virginia Stagg** of Dept. 3-1 at Fort Worth.

XFY-1 Will Return To San Diego Soon

(Continued from Page 1)

this is all new. Nobody ever tried vertical takeoffs and landings before in a high performance fighter."

Planned to operate as a convoy escort fighter capable of taking off from the deck of an ordinary cargo ship, the turboprop XFY-1 rests before flight on caster-like wheels at the tips of its fins and delta wing. It is powered by a specially designed Allison turboprop engine driving a Curtiss-Wright Turbo-electric contra-rotating propeller which lifts the XFY-1 straight up in takeoff and is expected to pull it at speeds of more than 500 miles an hour in level flight.

Training Classes

SAN DIEGO

ELECTRONICS — Basic. First shift class now being formed to meet Mondays and Wednesdays, 4 to 6 p.m. Second shift class meets Tuesdays and Thursdays, 1:15 to 3:15 p.m. Both classes meet in Room 11, Bldg. 32, Plant 1. Instructor, Jesse B. Baker.

ELECTRONICS — Intermediate. First shift class now being formed to meet Tuesdays and Thursdays, 4 to 6 p.m. Second shift class meets Mondays and Wednesdays, 1:15 to 3:15 p.m. Both classes meet in Room 10, Bldg. 32, Plant 1. Instructor, Leonard H. Fugate.

MATHEMATICS — Refresher Course. Starts Sept. 13. Second shift, Mondays and Wednesdays, 1:15 to 3:15 p.m.; first shift, 3:45 to 5:45 p.m., Room 9, Bldg. 32, Plant 1. Instructor, Werner A. Kuhtz.

To enroll in any of the above classes, attend the next meeting of the class or register at one of the Training section offices: Plant 2, Bldg. 2, ext. 211; Plant 1, Bldg. 14 or Bldg. 32, ext. 491 or 791.

Sea-Dart Lands In Rough Water

The Convair XF2Y-1 Sea-Dart has started its first rough-water landing, taxi, and takeoff tests in the open sea, B. F. Coggan, manager of Convair-San Diego, announced this week.

Four successful landings of the Navy delta-wing interceptor were made during the first of a series of tests on the Pacific ocean several miles off Point Loma.

C. E. Richbourg, Convair engineering test pilot, conducted the tests. He reported the Sea-Dart, equipped with hydro skis, operated fully as well on the open ocean as it has on San Diego Bay. No difficulty was experienced in maneuvering the needle-nosed Sea-Dart through ground swells after landing at sea.

After the plane's fourth landing on the ocean, the first open sea retrieving operation was made when the Sea-Dart was floated into the stern well of the USS Catamount, a Navy landing ship dock which stood by for the tests.

Coggan said the retrieving operation demonstrated how easily the Sea-Dart can be transported on shipboard, set afloat for flight operations, and brought back aboard.

Other rough-water tests are scheduled for the next few weeks off Point Loma.

Long Illness Fatal For Margaret Long

Margaret Long, Dept. 3, Convair-San Diego, died late last month. She had been in ill health for some time.

Miss Long was a familiar figure in industrial relations where she had worked since joining the company in 1941.

She is survived by her mother, Mrs. Alice M. Long; a sister, Mrs. Alice Galloway and two brothers, Shannon and Howard Long. Burial was in Leicester, N.Y., her birthplace.

Putness Appointed Prophett Assistant

G. E. Putness, who joined Convair in 1941 in final assembly, last month was named assistant manager-model 8 flight test operations at Edwards Air Force Base, reporting to P. M. Prophett, manager.

Born in Wisconsin and educated in Illinois, Putness has been in flight research and flight test most of his years with Convair after returning from military service with the USAF.

CRA has a place for you. Turn to page 6.

New Security Booklet Out

(Continued from Page 1)

work we perform. It involves the secrets which have been entrusted to us. We must guard them with all the stern adherence to the regulations that we can command."

Called "Your Key to Plant Security" the new booklet is indexed for rapid reference. Where further information on security

is required, basic manuals, all recently revised to include the latest changes, are available in every department.

"The Department of Defense is engaged in a tightening of security regulations in defense industries," G. D. Higgins Jr., Convair director of industrial security, said this week.

"Issuance of these booklets is one phase of our overall Convair program which includes extending and maintaining a high point of security consciousness throughout our plants."

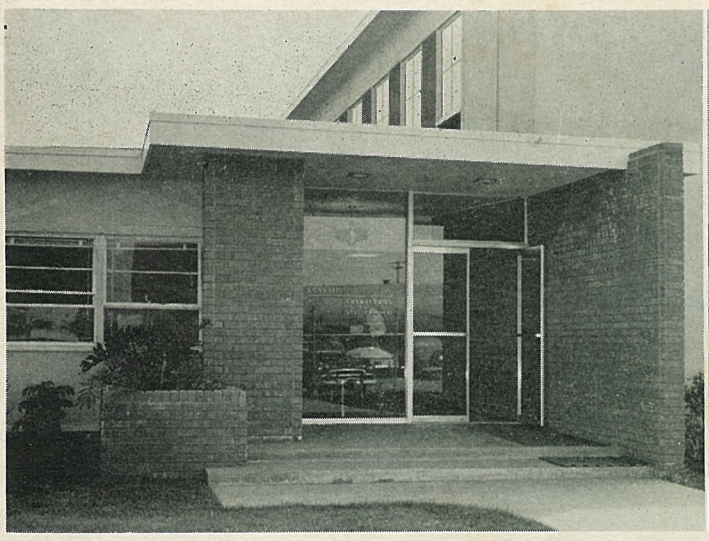
Pomona Con-Trib Will Equip Gym

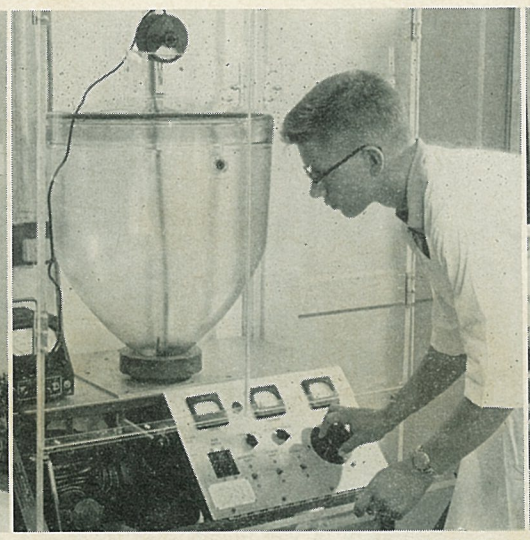
(Continued from Page 1)

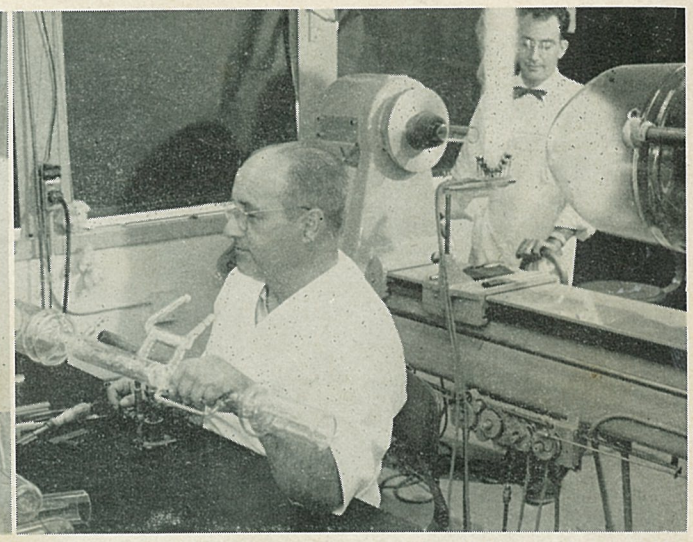
sets of safety mat hooks, and a shoulder wheel. Approximately $1,250 of the gift will go toward enlarging and improving the gymnasium space.

" . . . This (gift) will assure us the finest and most modern therapeutic gym in this area and will increase our present treatment facilities tremendously," Odetta R. Gover, Casa Colina executive secretary, said in a letter to the committee.

In other action last week, the committee gave final approval to a pledge of $945 to the Intercity United Fund of Covina and West Covina, and $200 to the LaVerne Community Chest. Both are to be paid immediately. The committee also gave a first reading and tentative approval to a pledge of $145 to the LaVerne Red Cross.







PRODUCTION STARTS—Convair Charactron project at San Diego launches scheduled production for first time next month. Entrance to new site on Hancock St. is at left. Center is Darrel Lachel operating machine which aluminumizes interior of tube. (Note resemblence to commercial TV tube.) At right is glass-shaping equipment which finishes tubes. Carl Hodapp, a master glass blower, shapes tube extension over heat while Charles Licastri operates lathe-like machine which joins two pieces. Unable to locate subcontractors able to supply many of necessary parts, Charactron project is making its own.

Customers, Competitors Alike Praise Convair on Bold Advertising Policy

Convair's national advertisements of recent months have caused quite a stir in industry as well as military circles. Quite a favorable stir, in fact.

Early this year Convair started a radically new series (**Convairiety**, Feb. 24, 1954), radical because it had never been tried by an airframe concern. The series stressed public service themes such as aiding the military in attracting and retaining high caliber personnel, and more recently in lending a hand to civil defense aims. The mention of Convair was secondary to the major purpose of public service.

Received with great enthusiasm by top officers of the services, the program brought wide praise and, in fact, sparked a move within industry, sponsored by Air Force Association, to encourage other concerns to follow Convair's lead.

Widest attention, however, was attracted by a recent display ad titled "Birds of a Feather," proclaiming that the "World's Best Airliners are Built in America." With its broad theme, stressing not just Convair's own products but the good of the nation and including the products of four other builders of U.S. transport and passenger planes as well, the ad represented an even sharper departure from usual advertising practices.

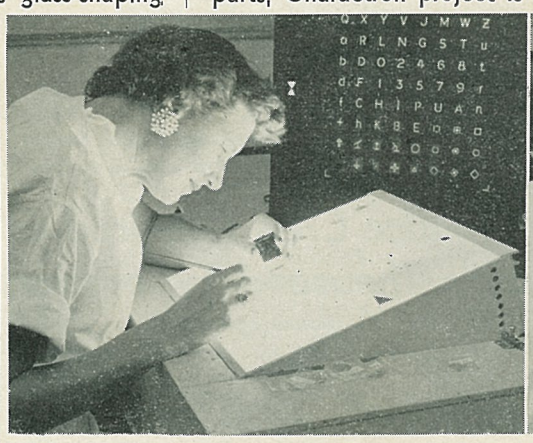
Carefully prepared and reworked by Convair's Policy Council, the ad was first published with considerable confidence of success and later developments substantiated the faith.

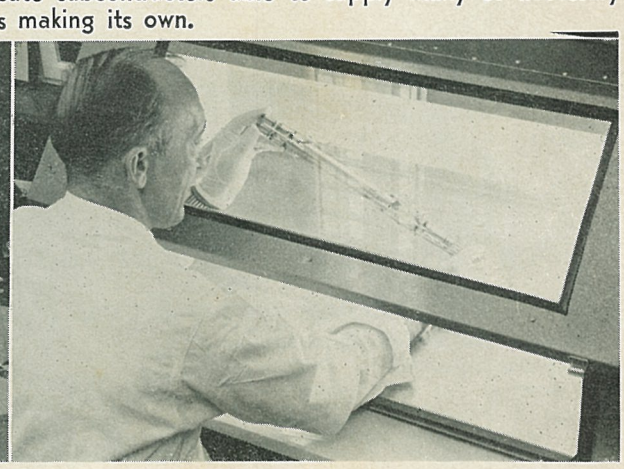
Even before the first "Birds of a Feather" ads appeared, Aero Digest magazine editorialized congratulations. Aviation Week and American Aviation magazines added their praise for the broad approach. Letters from airframe and airline executives, from customers and non-customers, echoed these sentiments. Aviation Week headlined "Distinguished Public Relations" and said to "sophisticated aviation observers toughened by the intense competition among the major airframe companies, this advertisement is a bracing tonic."

E. A. McCabe, Convair advertising director, said the ad will continue to appear in 1954, earmarked for four more major aviation trade magazines and five general circulation publications, as well as six foreign editions of U.S. magazines.

Sept. 18 and 19, Saturday and Sunday, are dates for Sixth Annual CRA Circus-Picnic at San Diego. Make your plans now to be at Del Mar.

HOME TALENT—When Convair sought a model for this ad, the advertising department found a beauty just around the corner in Building 19 at San Diego—Mary Ellen Ford of sales. Photos of this pose were sent to Ren Wicks, widely known Los Angeles artist, who did the rest. To whom is she waving? No doubt her husband, Earl Ford of contracts at SD.





MINIATURE—Tiny (smaller than a dime) matrix containing letters and numbers which will be projected on tube face is checked for accuracy against master copy (background) by Mrs. Vera Peck (left). It's exacting task. At right is Carl Vuletich assembling an "electronic gun."

Convair Charactron Project Mapping First Scheduled Production Program

Convair's Charactron project at San Diego is set to move into its first scheduled production program beginning in September, G. T. Gerlach, project manager, revealed this week.

"This will be our first effort at meeting regular scheduled deliveries," Gerlach said. "By the end of the year we will be completing two units per day."

Charactron is a cathode-ray tube "fathered" by Joseph T. McNaney, now chief project engineer, and developed by Convair. It is capable of 1,000 times the speed of existing mechanical devices used in displaying messages transmitted by high-speed communication systems or in recording the output of high-speed analog or digital computers and in solving numerous other electronic problems.

The new production schedule was established after Convair received its first order for manufacture of large diameter Charactron tubes in quantity. This includes the finishing of the tube housing the unit, which closely resembles a commercial TV tube, assembly of electronic components and final assembly of the finished unit. It is a deviation from other contracts calling for work on certain electronic equipment with other items to be finished.

Charactron employees got their first taste of "assembly line" work last March 15 when an order was received for delivery of three completed units within 60 days. Nothing was to be furnished. Three additional units were to be delivered this month and regular production started in September.

"Equipment for certain jobs just didn't exist and we needed it immediately," Gerlach said. "L. R. Steinhardt, our production leader, learned of an auction of surplus TV equipment back east and set out to work with Convair's Newark, N.J., office in acquiring what we could use. We were able to adapt this equipment and meet our schedule."

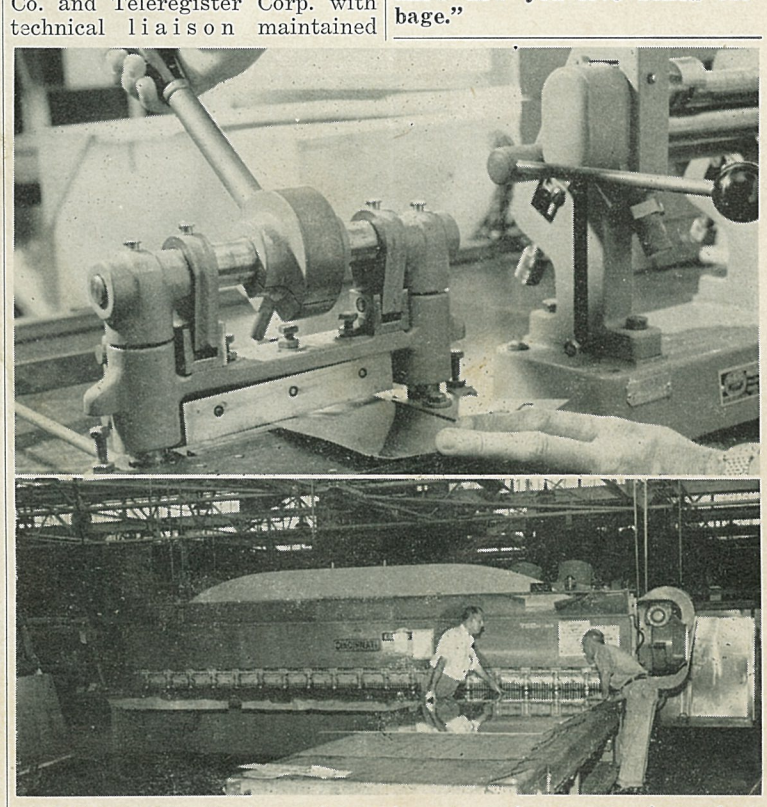
An addition to the project's present facility on Hancock St. is now under construction with completion scheduled within 90 days. Once completed, this space and a part of the present building will form what will become one of the most unusual production areas operated by Convair anywhere.

Because of the highly-sensitive nature of Charactron, absolute cleanliness is necessary in its assembly. The new area is being perfected with this in mind. There are no horizontal ridges or protrusions to catch dust. Windows and walls are calked and sealed and even the floor covering is without seams. Pressure maintained at all times will filter out over 90 per cent of the existing foreign bodies in the air. All assembly will be completed under further pressurization.

Employees entering the area must pass first through an airlock where they remove their outer clothing and don rubber overshoes and gowns made of Orlon. Cosmetics, sweaters, ties or any form of lint carrier will not be worn.

Scheduled to be one of the key factors in our national defense system, Charactron units are being built for the Air Force and the Navy under sub-contract to International Business Machines Co. and Teleregister Corp. with technical liaison maintained through the Lincoln Laboratories of the Massachusetts Institute of Technology and the Naval Electronics Laboratory respectively.

"Quit grumbling, Grandpa—you know how you love boiled cabbage."



CONTRAST—Tools used in Charactron do same task as those in other parts of Convair, but their size is far different. For example, upper picture shows shearer used in Charactron, hand operated, while below is a shearer in Dept. 101 that requires two operators,

TYPEWRITER TIPS — Maintaining Convair-Fort Worth typewriters is man-size job (center photo). In these pictures FW girls demonstrate how they keep their machines out of the shop. Lower left, Margelle Welch cleans rubber parts behind cylinder. Top left, Frankie Gowdy makes sure machine is covered when through for day. Top center, Doris McKee regulates touch control when making carbons. Top right, Pan Jones cleans and dries keys. Lower right, Nell Shuter shows how to erase without letting rubber particles drop into works. Proper care of typewriters keeps them out of repair shop and available for use.

Training Section Lists New Aircraft Classes

Several outside training classes of general interest to Convair employees at San Diego were announced this week.

The Aircraft Industry Technical Institute opens its fall term Sept. 13. Inspection, tool design and tool planning courses will be offered. Registration may be made at the San Diego Junior College Trade Center, 348 West Market St. Additional information is available by contacting Stan Sosnowski, ext. 492, Plant 1.

Courses for aircraft mechanics will be offered by the SD Junior College and Vocational School.

Brochures on courses being offered by the University of California extension will be available in the training office, Building 14, Plant 1, after Aug. 15.

Expert Maintenance Crew Required at Convair FW To Keep Plant's Thousand Typewriters Clicking

It takes more than 1,000 typewriters to keep things going at Convair-Fort Worth.

And it takes a staff of eight experienced mechanics in mechanical maintenance office equipment section of plant engineering to keep the typewriters going, as well as all other office equipment except leased IBM machines.

"Good individual care of the machines can help a great deal in keeping the typewriters out of the repair shop," J. B. Moore, one of the mechanics, commented. He volunteered a number of hints for prolonging their lives, such as remembering to turn off the power on electric machines when they are not in use.

"Erasing improperly leads to trouble, as much as any other one thing," Moore continued. "When the rubber particles fall into the keys they join with ink or cleaning fluid to form a gummy mixture that means eventually we have to take the whole machine apart for cleaning. Spilling soft drinks or coffee on the keys leads to the same thing.

"The best way to erase is to shift the carriage to the extreme right or left, so that the rubber fragments fall outside the machine."

Liquid type cleaner can also cause trouble if incorrectly used. Moore said when cleaning keys, each one should be cleaned and dried individually.

"It may take extra time, but it certainly pays off in the long run," he said.

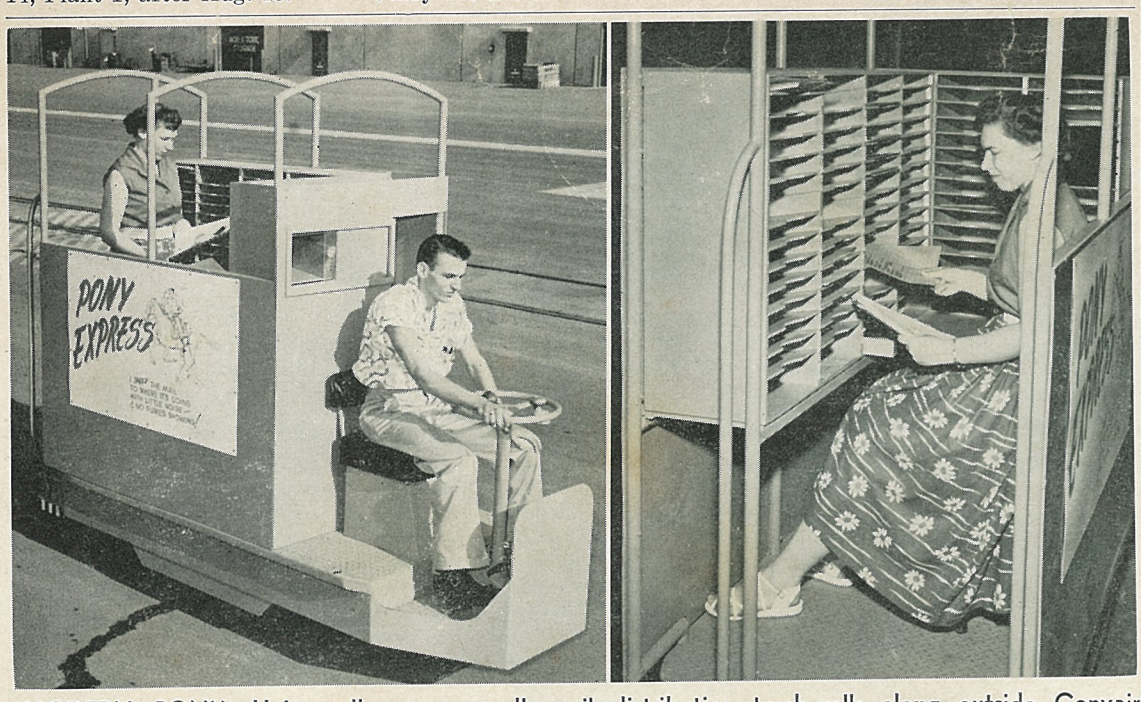
Two other things that should be done: set pressure controls according to the type of work being done, and keep the rubber parts clean.

"Dropping a typewriter is murderous," said Moore. "We average about five a year."

Convair - Fort Worth's typewriters number 301 electric and 726 manual. The typewriters alone are worth about $231,-708 (replacement value). The figure doubles when you consider Convair's adding, calculating, accounting and duplicating machines.

A file card on each machine is kept in the plant engineering equipment section. At a moment's notice a card on any machine may be found by the Air Force number. This gives a description of the machine and a history of its life. A. D. Taylor, procurement engineer, is in charge of this phase of the operation.

"We hope," said Taylor, "that people will treat their machines with kid gloves. Especially since we've been told there won't be any more new ones any time soon."



MODERN PONY—Unique "pony express" mail distribution truck rolls along outside Convair Pomona with Wayne Kaltenberger at the wheel and Mary Brents in the back. Close-up at right shows how mail is sorted as truck moves between pick-up points. Entire circuit of route takes less than hour and plant gets six mail deliveries daily.

Mail Sorted en Route at Pomona as New 'Pony Express' Makes its Rounds

Taking a name from the pages of history and adding a new and modern touch Convair Pomona recently devised and installed a model internal mail distribution system.

"Pony express" was adopted as an appropriate title for the backbone of the system since both the legendary service of the same name and Convair's modern counterpart have one common goal—get the mail through fast! Unlike the Pony Express of old which depended on horses, Pomona uses modern power, and schedules are now discussed in terms of minutes rather than days.

The entire mail distribution set up is the "brainchild" of Art Crutchfield of Dept. 14. His idea was submitted on the first Cost Improvement Proposal approved at Convair Pomona.

"An ever-increasing mail volume, the need for faster and more frequent service to certain areas and duplicate handling of mail were serious problems under our old system," said Q. G. Turner, manager of administrative services. "The present low handling cost and constant service indicate we have found the answers."

Central figure in the "pony express" is an electric platform truck equipped with a series of mail sorting racks on back. While the driver guides the truck between the 82 stops on the plant system, a mail clerk sorts those items picked up at each. The truck is in motion constantly and makes a complete circuit of the five miles of routes six times during an eight-hour period. The old system utilizing walking and bicycle could cover the same circuit only four times during the same period with stops at the central mail room for sorting.

Interchanges are made on a set schedule with carriers servicing areas where the truck cannot operate and the central mail room. During bad weather, a removable plexiglas top and curtains allows deliveries to continue with the sorter using existing building lights for illumination.

To assist the mail clerk on the truck and those in the central mail drop, a new zoning system has also been set up. Each area in the plant has been zoned much like those now used by government mail agencies.

"People addressing intra-plant mail can insure prompt delivery by consulting the plant telephone directory which now lists all zone numbers," Crutchfield said.

Booby Prize

'Knucklehead' New Gimmick

Convair has had "eight balls" and "dog houses" to point the finger of shame in housekeeping and now there is the "knucklehead."

First appearance of the strange figure (see photo) two weeks ago caused something of a stir in the model 340 sector at San Diego. Awarded weekly to the 340 area that appears to be lagging in safety and housekeeping, the "knucklehead" is the brainchild of General Foreman Bob Elo, Foreman Dick Dale (Dept. 57) and Assistant Foreman Al Baber (Dept. 52). In fact, Dale authored an "oath" that accompanies the award and runs, in part:

"I solemnly promise and vow that I will make every effort to better our safety and housekeeping record; and should I fail in this attempt and become the recipient of the 340 knucklehead, I vow that I will hang my head in shame, shame, shame, so that the chin of my long face will hang down and bump from knee to knee, making me weary . . . for which the only cure will be the constant exercise from wielding a broom, picking up gum wrappers, bucking bars, cigarette butts, and paper cups . . .

"I further promise that I will keep the 340 knucklehead on my desk in full view of passers-by and will answer truthfully all questions pertaining to it . . ."

GARGOYLE — This strange bust, dubbed "340 knucklehead," is latest device for "booby prize" in housekeeping at San Diego. It is currently circulating in 340 program.

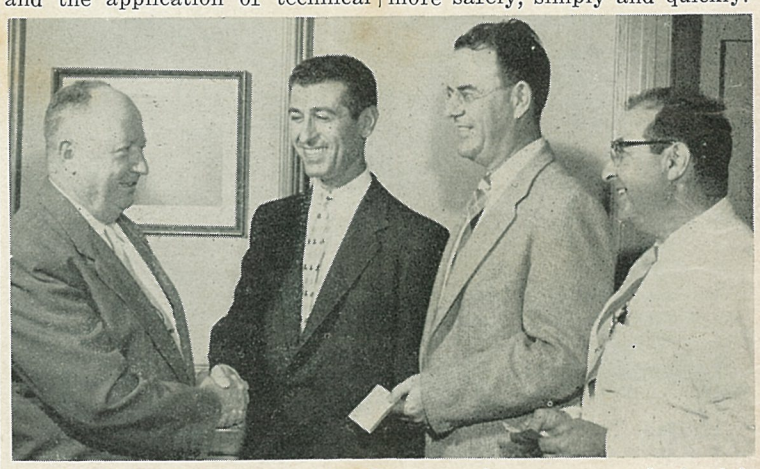
Magazine Contest Gives Monthly Awards to Ideas Which Cut Complexity, Contribute to Safety

Aero Digest magazine is running a monthly "design forum" contest that may be of interest to Convair engineers.

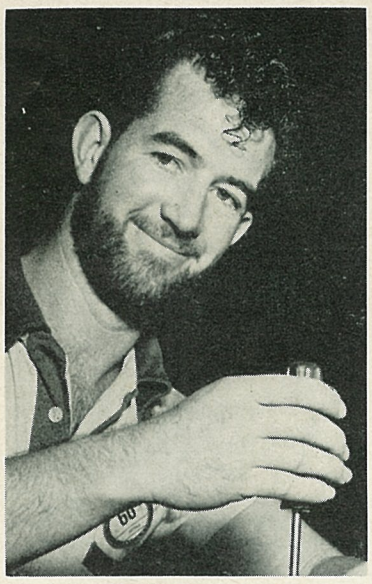
Three San Diego men, Waldo Darracq, Glen Karel and M. C. Copold, won cash awards in the July contest (**Convairiety,** July 28, San Diego edition). Monthly prizes total $475 with a $250 first award. The forum runs to the end of the year when there will be a $1,000 grand prize.

Awards go to ideas which "improve flight safety, reduce aircraft complexity, or provide a manufacturing cost saving through engineering judgment and the application of technical skill." Ideas can vary from a simple bracket to a complete airplane, power plant or missile design.

The Darracq-Karel entry involved a flight safety feature of the model 340, a cable handle in the cockpit that when pulled automatically shuts off all services to the appropriate engine nacelle in the event of fire or suspicion of malfunction. Copold's winner was a design for a machine-fit main wing bolt of the F-102. Previously it had been common practice to hammer such bolts into place, but the new idea developed a wing bolt puller that does the job more safely, simply and quickly.



WINNING TRIO—Convair-SD men who won awards in July design contest sponsored by Aero Digest magazine get checks from A. P. Higgins, left, factory manager of Plant 2. Left to right: Glen Karel, Waldo Darracq, M. C. Copold.



GOOD CROP—F. W. Ditmar of Dept. 60 at Plant 2, San Diego, displays crop that won beard growing contest at Linda Vista Covered Wagon Days celebration. In 30 days time he grew whiskers over half inch long.

Author Club Honors Pomonan for Book

A Convair Pomona author appeared as guest speaker at the July 21 meeting of the exclusive Authors Club of Hollywood.

Mary Malcom of service publications spoke on her recently published children's fantasy, "Chaucer, The Flying Saucer," (**Convairiety**, Oct. 21, 1953). Ed Palmer, formerly of service publications and illustrator of the book, was also a guest.

Dozen Convair-San Diego Men Hold Posts in California Guard Reserve

Recruits for San Diego's 11th Battalion, California National Guard Reserve, are being sought at Convair-SD.

The unit already includes about a dozen Convair men: Major William Goodman (Dept. 25), the battalion executive officer; 1st Lt. Harold Schnaubelt (Dept. 6), commanding D company; 2nd Lt. L. W. Davis (Navy inspection), commanding E company; 2nd Lt. J. R. Tooth (Dept. 350), commanding the 11th detachment; and the following members of F company, G. J. McCracken, R. H. Gainley, A. Winningham, C. L. Lambie, N. Green, F. M. Lloyd (all of Dept. 46) and Russell Adams (Dept. 300).

The units meet once a week, Wednesday nights, for two hour sessions at the reserve armory, 638 Kettner, where they get training in traffic control, police methods, rifle shooting, etc.

"Primarily, our task is community defense in emergencies," Davis and Tooth explained. "In event of hostilities or any disaster, we are prepared to take over military police functions within the county."

In addition to drills, members handle a variety of parades during the year in different communities as well as assisting in the San Diego County Fair. Their next appearance will be Aug. 15 at the Fiesta de las Flores parade in La Mesa.

Members serve without pay, but uniforms are supplied by the State of California. Age limit is 17 to 63. Former service men are considered for their previous rank, but previous military service is not a requirement. Candidates will be welcomed tonight (Aug. 11) at a dinner meeting at the armory to watch the fight by television. Those wishing more information about the battalion can reach Tooth at ext. 665, Plant 1, days and Davis at ext. 508 nights.

Grand Chess Masters Attend Exhibition at CRA Clubhouse in SD

Three international grand chess masters were on hand at an exhibition tournament staged by the CRA Chess Club at Convair-San Diego July 28.

Nicholas Rossolimo, former champion of France, conducted the exhibition against 38 players. He won 32, lost two and tied four.

On hand to witness the exhibition were Larry Evans, three times United States chess champion, and Arturo Pomar, former champion of Spain.

Approximately 50 people attended the event held at CRA Clubhouse.

Fourteen-year-old W. C. Thornton, Jr., was the youngest contestant in the exhibition.

"TIME MACHINE"—Hypnotist James Ratcliff of Convair-FW takes Harley Griffin back to childhood. Under orders, she writes her name as she did in first grade, third, eighth grade and now.

Under a Spell

Trusting Convair Girl Pursues 'Butterflies' for FW Hypnotist

The atmosphere is tense as the hypnotist begins his work. He repeats to his subject:

"You are going into a deep sleep. You cannot awake until I tell you to. You are very sleepy."

After several minutes the subject is "asleep."

A vaudeville act? No, it's Convair-Fort Worth engineering writer James Ratcliff practicing his favorite hobby—hypnotism.

At a recent demonstration, Harley Griffin, engineering steno, was the subject. Since Ratcliff has worked with Harley before, it was relatively easy to "put her under."

Ratcliff started by telling her she was very stiff and rigid. He then placed her on two chairs so her head was on the top of one and her feet on the other. She remained perfectly rigid until she was lifted to her feet.

Ratcliff then told her to relax and put her through some more paces. At one point he told her she was a butterfly collector and ordered her to catch one and place it in a jar. She began watching the "butterflies" and trying to catch them.

Particularly interesting was the fact that although Harley's eyes were open and flashbulbs were going off while pictures were being taken, she never blinked.

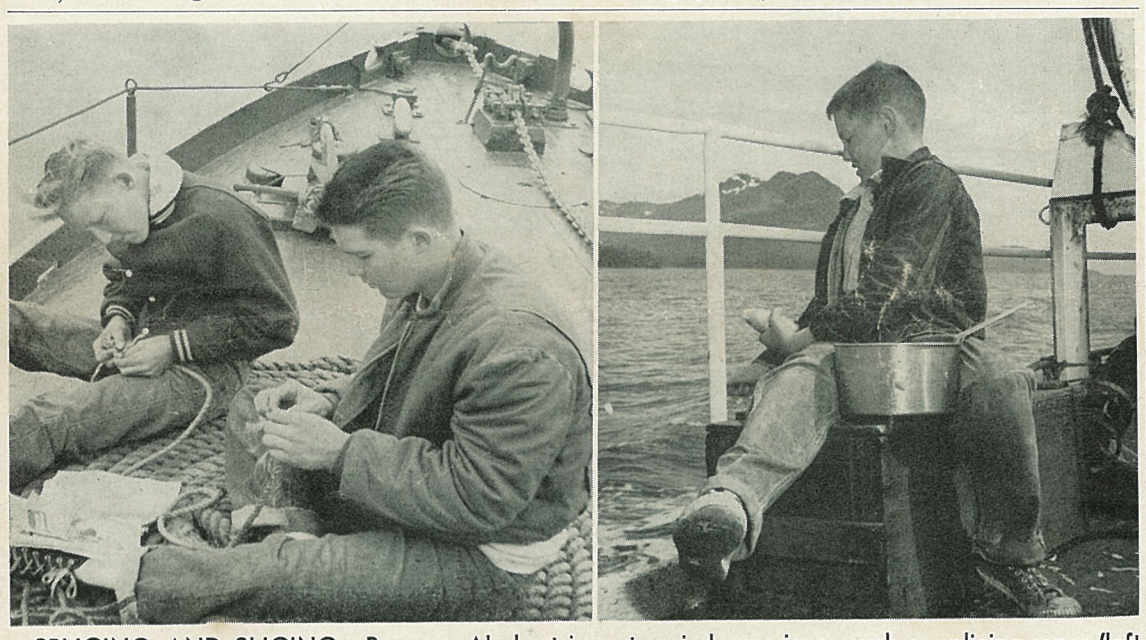
Ratcliff also gave another demonstration that is frequently used by hypnotists. First he told Harley she was six years old and she should write her name. She painstakingly printed "Harley." Then he took her back to four years of age. She scribbled some loops which spelled nothing. Then he told her she was in the third grade. The writing was close and tight. Next Ratcliff told her she was in the eighth grade. This time she wrote with considerably more ease.

Surprise Promised SD Club Members

Don't expect a hint regarding the Aug. 18 meeting of the Convair-SD Management Club from sponsoring F-102 manufacturing departments. They're not talking.

"We're holding a 'surprise night' and information about the meeting is being withheld," said Harry Rote, chairman for arrangements. "We do feel sure that everyone will have a good time."

The meeting will begin at 6 p.m. at the Balboa Park Club.

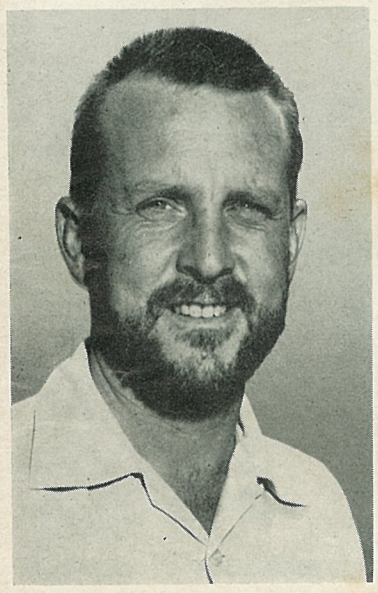


SPLICING AND SLICING—Boys on Alaska trip got varied experience such as splicing ropes (left above) and slicing spuds (right above). Latter is Convair son Bryan Kops, 12, youngest on board. Photos were taken by another Convair son, George Denny.

Convair-SD Sons 'Sign on' Subchaser For Inland Passage Alaska Cruise

Earl A. Kops of engineering test laboratories at San Diego last month made a 22-day trip to Alaska and return as one of the leaders in a YMCA group of 33 teen age boys, four of them Convair sons.

The expedition, totaling 38, traveled by leased trucks from San Diego to Seattle, embarked there aboard a chartered vessel (a converted 110-foot submarine chaser) and traveled via the inland passage to Juneau with stops en route. They were aboard the subchaser 14 days in all, at sea 12 of them.



SOUVENIR — Earl Kops of Convair San Diego, shown after return from Alaska trip with souvenir beard. He has since shaved it off, however.

Convair sons on board included Kops' son, Bryan, 12, youngest member of the "crew," Lee Strong, 13, son of E. F. Strong, chief of engineering test laboratories at SD, George, 17, and David Denny, 15, sons of Alvin Denny of Dept. 31, sheet metal. George was official photographer on the trip.

"It was a great experience, not only for the boys but for the adults, too," Kops said.

"The boys got a lot more out of it than just sightseeing, too. They stood watches at sea, actually took the helm, helped navigate and stand engineering watches. And each had his share of KP. Of course they came home loaded with nautical terms."

Although the Northwest YMCA in San Diego has sponsored summer trips before, this was the farthest afield yet attempted. The cruise, which cost $165 per boy, included a visit with Alaskan Governor Frank Heintzelman and stops at such points as Sidney, Victoria, Alert Bay, Prince Rupert, Juneau, Petersburg and Ketchikan.

Kops has been active in YMCA work for a number of years and currently is chairman of the boys work committee of the San Diego Y.

Over 700 Have Fun at Controller's Picnic

Rain late in the afternoon of July 18 forced a halt in the fourth annual division controller's picnic at Convair-SD, but failed to dampen the spirits of over 700 people who participated.

Eighty prizes were awarded those winning games and contests at the festivities staged at Pine Valley. Children received the bulk of the awards.

Most of the day's activities were completed before thunder showers broke up open air dancing at 5 p.m.

U.S. Model Team, With SD Man, Noses Great Britain in Olympics

Model airplane builders representing 12 nations took part in the Convair-sponsored first World Model Air Olympics staged at Suffolk County Air Force Base near New York City, July 24-26.

An estimated crowd of 12,000 attended the three-day event which saw the United States capture first place in the two events, the Wakefield competition for rubber-powered models and the FAI engine-powered free flight duration contest.

Convair San Diego's Dick Baxter of Dept. 6 was one of the team members of the United States Wakefield entry which scored 2,404 points to finish ahead of second-place Great Britain with 2,334 points. Baxter finished ninth in overall standings in the event.

Lou Vargo of Convair Fort Worth finished 24th in the same event, flying a Guatemalan model by proxy.

The United States team garnered 2,204 points in the FAI contest. Argentina was second with 1,826 points.

Nations sending representatives either in person or by proxy were Argentina, Australia, Switzerland, Canada, England, South Africa, Japan, United States, Guatamela, New Zealand, Sweden and Mexico.

Fudo Takagi of Dept. 31 at San Diego attended the event to fly Japanese models by proxy. However, the models failed to arrive in time for competition.

"Tomorrow we take YOUR car to work . . . right?"

REHEARSAL SESSION—Director Ruth Zimmer, left, goes through lines with cast of "Night Must Fall," CRA Drama Club presentation which opens Aug. 17. Left to right are Hope Ryno, Bill Polakowski, Ann Morgan, Jim Burns, Edith Larson, John Gautieri and Jean Tucker. Tickets are available at employee service offices at both plants or from department clerks.

Aug. 17 Curtain Time For Next CRA Play

The curtain goes up at 8 p.m. Aug. 17, and nightly through Aug. 21, on the Convair-SD Drama Club's presentation of "Night Must Fall" at the Puppet Theatre, Balboa Park.

Emlyn Williams' popular play is being directed by Ruth Zimmer, Dept. 6.

Tickets are available at employee service offices or through department clerks at both plants and will also be available at the door each night.

Demand Brings New Electronics Classes

There has been such response to the electronics classes started early this month by the training section at Convair-San Diego that additional classes are now being formed, H. W. Rubottom, training supervisor said this week.

Originally the classes in both basic and intermediate electronics were set up to accommodate second shift personnel and the new classes are being arranged for convenience of first shift employees.

"We have room for more people in the first shift intermediate class and I suggest that anyone interested register at once so they won't be disappointed," Rubottom said.

For further information or registration contact the training offices in either Bldg. 14 or Bldg. 32 at Plant 1, ext. 491 or 791, or Room 3-1, Bldg. 2, Plant 2, ext. 211.

Eddington Breaks 25 Straight To Win Skeet Event at SD

Wayne Eddington scored a perfect 25 straight to win the skeet event of the Aug. 1 CRA Gun Club shoot without question, but the remainder of the shotgun events featured ties.

Jerry Schultz, C. W. Pharis and Dar Knadle tied for second in skeet with 23 birds. Roy Sommers, D. Hayworth, and J. P. Grando tied for third.

J. L. Vidovich, C. W. Pharis, W. U. Gatterman and R. S. Cunningham broke 23 each for a first-place tie in the handicap trap event. J. Cushman and W. Betteridge tied for second.

In the intermediate trap event, C. Cole, C. T. Varns and T. Davis broke 21 with C. Sheppherd and W. V. Wooding breaking 20. Mrs. Margaret Harlow broke two of 10 birds to win the novice event with Mrs. C. W. Pharis finishing second.

In rifle events W. Betteridge scored a 362-12X, R. Saether a 361-8X and E. Arbtin a 358-9X in the .22 target event. J. Williamson's 324-3X won the sporter event with A. MacLellan posting a 258-1X and E. Miller a 256-1X.

A visiting rifle team from Ryan also took part in the day's activities.

★ ★ ★

Novelty Deer Shoot On Gun Club Calendar

A novelty "deer shoot" for riflemen and a special "doubles" trap event will be held at the Aug. 29 shoot of the CRA Gun Club at San Diego.

These events will be in addition to the regular rifle event for large bore rifles starting at 8:30 a.m. and the shotgun events beginning at 9 a.m.

The shoot will be held at the Valley Gun Club.

New Compressor Added To Diver's Equipment

Purchase of a high pressure compressor to be used by the Delta Divers was announced this week at Convair-SD by Bob Hutson, CRA commissioner for the skin diving group.

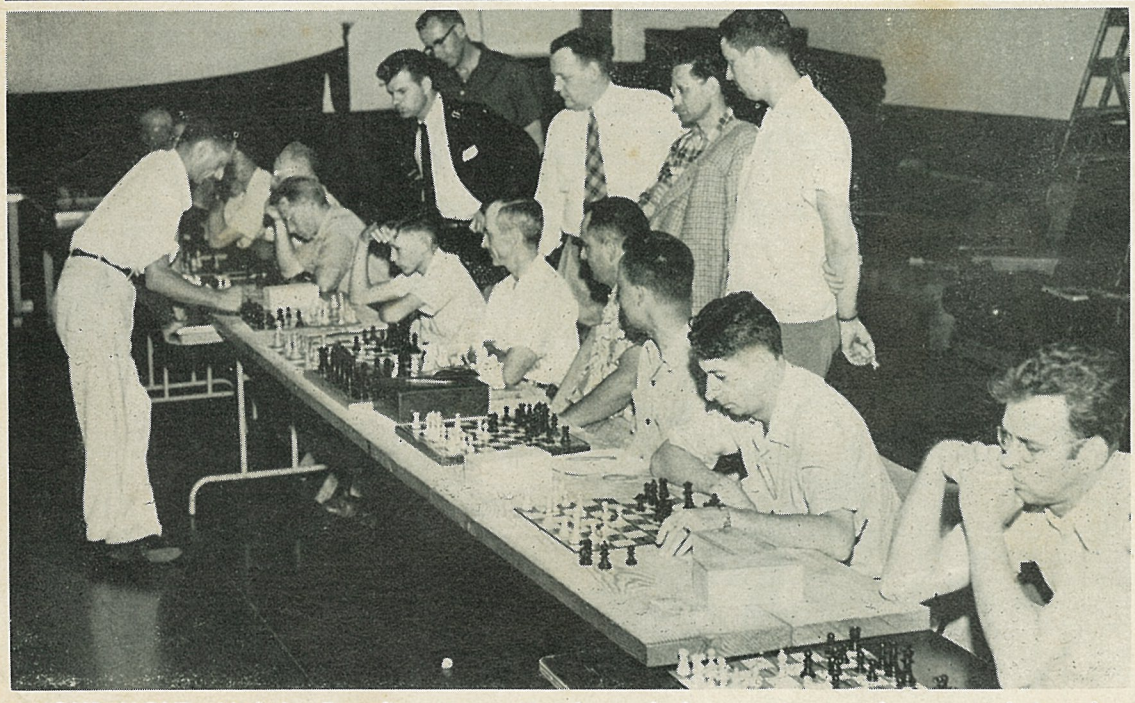
"The club will be able to supply air for lung equipment at a greatly reduced cost to divers," Hutson said. "The compressor will be on hand at all future functions of the group."

An increase in classes instructing the use of lungs and other underwater diving gear will also be possible with the new compressor, Hutson added.

Over 2,000 Attend 'R3Y Grand Slam'

One of the largest, if not the largest, crowds of the year to attend a Convair-SD picnic was on hand July 31 at El Monte Park for the "R3Y Grand Slam" picnic.

"We counted over 2,000 people during the day and everyone had a wonderful time," said Chairman Duke Rogers. "There was plenty of food, games and events and loads of prizes for all ages."



YOUR MOVE—Nicholas Rossolimo, international grand chess master, ponders move during chess exhibition at CRA Clubhouse. Across table from him are some of 38 players he opposed, including W. W. Bryan, J. Medina, S. Johnson, W. C. Thornton, Sr., and W. C. Thornton, Jr., of Convair. Standing at center rear is A. E. Munson, CRA chess commissioner. Rossolimo won 32, lost two and tied four games.

CRA Activities at SD

AEROMODELERS—J. G. Saftig, commissioner, ext. 411, Plant 2. Watch bulletin boards for special events. Meeting notices mailed to members.

ARCHERY—E. C. Generas, commissioner, ext. 344, Plant 2. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays, 7 to 9:30 p.m. Archery instruction Saturdays at 10 a.m., Sixth and Laurel range. Archery equipment available.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Colonial Hall, 4567 30th St. Tuesdays: 7:30 p.m., adult beginners (foxtrot, beginning Latin); 8:30 p.m., advanced adults (foxtrot, waltz, tango). Wednesdays: 7 p.m., teen-age beginners; 8 p.m., advanced Latin; 9 p.m., practice session. Thursdays: 7:30 p.m., adult beginning ballroom; 8:30 p.m., teen-age party. (50c). Contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1, for further information.

Juvenile Classes—Saturday morning classes in tap, ballet, tap-acrobatic and ballet-acrobatic combinations, character dancing. For information or reservations, call Mrs. McGrath.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 430, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 541, Plant 2 (second shift). Darkroom open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m., for club members only. Regular meetings second and fourth Mondays each month, Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1111, Plant 1. Rehearsals discontinued until September.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Meetings discontinued until fall.

DRAMA CLUB—Mark Saunders, commissioner, ext. 593, Plant 2. Club meets each Monday at 7:30 p.m., Federal Bldg., Balboa Park.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Monthly prizes for best catch of fresh or saltwater fish. File entries at Employee Service, both plants, before 5th of month following catch.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Meetings discontinued during August and September.

GOLF—Russ Osgood, ext. 1028; Frank Csupak, ext. 282, Plant 1, commissioners. First round Charles Yater memorial tournament Aug. 14-15.

GUN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Next regular shoot, August 29, Valley Gun Club, Gillespie Field, El Cajon. Large bore rifle event plus novelty "Deer Shoot" at 8:30 a.m.; special "Doubles" trap and regular skeet events, 9 a.m. Free swim, Gillespie Pool, 10 a.m. to 12 noon.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1205, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Glacier Garden each Thursday. Classes: Adults, 6:30 to 7 p.m.; beginning children, 7 to 7:30; intermediate children, 7:30 to 7:45; advanced children, 7:45 to 8 p.m. Children's pre-tests with ribbon awards on first Thursday each month. Continued skating to 10:30 p.m. without extra charge. Industrial Recreation skating third Saturday night of the month.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Discontinued during August.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club meets second Sunday of the month, 9 a.m., San Diego Police Range. Convair employees invited to join San Diego Police Revolver Club shoot fourth Sunday of the month.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Next meeting tomorrow night, Thursday, Aug. 12, Club headquarters, Harbor Drive, first shift, 7:30 p.m.; second shift 0030.

RIDING CLUB—Marc Beresford, commissioner, ext. 295, Plant 2. Classes: Mondays, beginners (6-13 years), Western; Tuesdays, beginners (all ages), Western; Wednesdays, teen-age club, Western; Thursdays, teen-age drill team, Western; Fridays, intermediate and advanced, English and Western. Conducted trail ride each Saturday at 10 a.m. Call Fanita Ranch, HI-4-9100 for reservations. Saturday, Aug. 14, pot luck dinner, business meeting and moonlight ride.

ROCKHOUNDS—Jack Benedict, ext. 270 or 396, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Second shift class, 12:30 to 2:30 p.m., Mondays. Regular meeting second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

SKIN DIVING—Bob Hutson, commissioner, ext. 465, Plant 2. Club meets second and fourth Tuesdays of the month, 7:30 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Jerry Wright, president, ext. 1706, Plant 1. Club meets first and third Fridays each month, 7:30 p.m., CRA Clubhouse.

SQUARE DANCING—Larry Roth, ext. 585, Plant 2; M. A. Stutz, ext. 259, Plant 1, commissioners. Intermediate, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 270 or 396, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—For Convair employees, their families and friends, Saturday, Aug. 14, 7 to 9:30 p.m., Mission Beach plunge. Free tickets available at Employee Service, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily in CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1621, Plant 1.

VOLLEYBALL—Open play Thursdays, 7 to 10 p.m., Federal Bldg., Balboa Park.

WATER SKI—Joe Harris, commissioner, ext. 610, Plant 1 (second shift).

Convair Little Leaguers Honored At SD Banquet as Season Closes

Members of Convair Little League teams and their fathers were entertained last Saturday night at CRA Clubhouse with a turkey dinner and presentation of awards to "graduating players."

Pete Beyrer, CRA commissioner, presented letters (a C with "1954 Little League" in gold and blue) to the five 12-year-olds from each of the four teams, who will be ineligible next year, and handed out the "best sportsmanship" award.

Members of the Yankees, winning team for the season, also got recognition as well as the leading hitters, etc., from all teams. Following are leading batters for the season:

★ ★ ★

★ ★ ★

NAME	TEAM	A.B.	HITS	AVER.
Fred Martinez	Cards	50	25	.500
Hilbert Murillo	Red Sox	47	23	.489
Woody Combs	Red Sox	57	26	.456
Gil Crosthwaite	Red Sox	51	21	.412
Bill Daw	Indians	49	20	.408
Bud Nelson	Cards	42	17	.405
Joe Cisterna	Yanks	46	18	.396
LeRoy Leach	Yanks	51	19	.372
Jack Henn	Yanks	47	17	.362
John Dorgherty	Yanks	48	17	.354
Art Rivas	Cards	54	19	.352
Stan Hill	Indians	52	18	.346
Larry Schuck	Indians	52	16	.308
Gordon Menzie	Yanks	49	15	.306
Red Sox		438	138	.315
Yanks		440	123	.279
Cards		431	111	.2575
Indians		439	113	.2574

SD Flying Club Seeks New Members

The San Diego Flying Club, one of the oldest private flying groups in the area, is looking for new members at Convair-SD.

Henry Leboffe, Dept. 375, a former president of the club and a member for 17 years, reported that membership now rests at 18 and the goal is to raise it to 40 or more. The club owns two planes, a four-place Cessna 170B and a two place Cessna 140A. They are kept at La Pressa airport near La Mesa. Both are fully radio equipped, both for communications and omnirange.

The club is incorporated and members buy one share of stock at $150. Leboffe said there is an arrangement for time payment. Members may use the airplanes at a rate of $7 an hour for the four-place plane and $4 an hour for the other, considerably below the standard fees charged by commercial operators.

Anyone interested may contact Leboffe at ext. 1158, Plant 1, second shift.

Ham Radio Picnic

The Convair SD Radio Amateur Club staged their first annual picnic Sunday, July 25 at Silver Strand State Park. Nearly 100 club members, their families and friends, attended.

CLOSE CALL—In deciding game of playoff for SD plant softball crown, Archie James of Dept. 522 slides into third. Dept. 225 third sacker is Bill Harris.

VICTORS—Members of triumphant Dept. 225 softball squad are, back row, left to right: Danny Singleton, Dave Rogers, Bobby Farrar, Bob Rinder, George Loudermilk, A. Lopez, Jack Coraro, Bob McMahan. Middle row: Bernie Gebhardt, Mgr. John Montejano, Don Varchol, Ed Eddington, Joe Lopez, Norman Harvey. Mascots: Mike Montejano, Don Varchol, David Hall.

Sports

More Than 500 Watch Dept. 225 Win Crown

In a playoff rivaling the World Series for excitement, color and thrills, Dept. 225 last week emerged as CRA softball champions at Convair-San Diego by winning two straight from Dept. 522.

Dept. 522 went into the series as the favorite after racing through the regular American league season undefeated in nine starts. They finished the season slightly ahead of Dept. 8 with eight victories and two losses in National league play.

With the stage set, over 500 fans overflowed the stands at Presidio Playgrounds for the first game July 29 to watch the hustling Dept. 225 team collect 14 hits and a 9-5 victory.

An even larger crowd was on hand for the second game Aug. 3 at Mt. View where Dept. 225 hitters hopped on two Dept. 522 hurlers for 18 hits in a game that ended 17-4 and won the crown for Dept. 225.

Bernie Gebhardt was one of the stars of the second game, collecting four hits in as many times at bat and limiting Dept. 522 batters to five scattered hits. Bob Rinder and A. Lopez each hit safely three of four times at bat.

The play-offs ended the San Diego season for 20 teams.

Eagles Upset Ryan Nine In Final League Contest

Convair's Eagles of the Industrial league at San Diego closed out their regular season in a blaze of glory recently by defeating previously unbeaten Ryan by a score of 5-3 in an extra inning.

Second baseman Al Flores hit a four-bagger in the third with two on and Ryan tied the score to go into an extra inning. First sacker Steve Rivas broke up the game with a second homer with one man aboard.

The Eagles will enter the post-season Southern California Municipal Athletic Federation tournament opening Aug. 16 in San Diego. Winning teams in this tournament will advance to a state tournament at a later date.

Lens Club to Shoot Models on Strand

Camera Club members at San Diego will gather this coming Sunday (Aug. 15) on the Silver Strand (state park bay side) for a beach party and model shoot. There will be models available and refreshments. Clarence Schultz, CRA Commissioner, CY 6-3633 during daytime, has details.

Last month Jack Stevens, La Jolla and San Diego photographer, judged entries in the quarterly contest with Mark Matyas of Dept. 6 winning first in color slides, Ken Rinker of Dept. 28, second, Don Lyons of Dept. 31, third.

Sept. 18, 19 Chosen as Circus-Picnic Dates

Although it's still more than a month away, planning for the annual CRA Circus-Picnic at San Diego has been underway for a long time.

"We have already arranged most of the circus acts and laid out the general plans for playground concessions, food facilities, parking, etc.," CRA President Gil Crosthwaite announced.

"Dates are Sept. 18 and 19, Saturday and Sunday, so make your plans accordingly. Don't let your vacation conflict, if you can help it, because this is going to be a highlight of the CRA year."

Preliminary plans call for an exceptionally elaborate list of door prizes this year. Saturday will be "Kids' Day," with the emphasis upon prizes that will most interest the youngsters, though there will be many for the adults, too, on that day.

San Diego Keglers To Plan for Winter

Bowlers at Convair-SD will hold their second organizational meetings for winter leagues Aug. 18 and 20, Commissioner Jim Hayman said this week.

Handicap leagues will meet at 7 p.m. Aug. 18 at Pacific Recreation. Tentative schedules call for leagues on Tuesdays, Wednesdays and Fridays opening the first full week in September. A mixed 750 scratch league to roll on Wednesday night is also being discussed.

Scratch leagues will gather at 7 p.m. Aug. 20 at Tower Bowl.

Supper, Breakfast Ride On Tap for Riding Club

Convair Riding Club at San Diego has two events scheduled for the next two weeks at Fanita Ranch.

The monthly "pot luck" supper and business meeting is slated for Saturday (Aug. 14) beginning at 6 p.m. The Club will furnish the "meat" and members will add the trimmings. A movie on "The American Cowboy" will be shown and the meeting will conclude with a moonlight trail ride.

A breakfast ride party will leave the clubhouse at Fanita Ranch at 8 a.m. Aug. 22.

Amateur Lensman Tops in SD Contest

Suey Poy Tom of Dept. 201 at San Diego, with a photograph of a highway bridge in Imperial Valley, last month took high honors in the San Diego Union National Snapshot Contest.

Tom's photo, taken with an inexpensive camera and without filters or even a light meter, was judged of "salon quality." It emphasized lights and shadows and the bridge's reflection in canal water.

Snead, Demaret to Play in Canada Cup

Sammy Snead and Jimmy Demaret have been chosen to represent the United States in Canada Cup play Aug. 20-22 at Laval-sur-le-Lac course in Montreal, John Jay Hopkins, founder and chairman of the International Golf Association, announced this week.

Hopkins, chairman of the board and president of General Dynamics Corporation of which Convair is a division, is donor of the Canada Cup for which two leading professionals from each of various countries compete each year. The event is 72 holes medal play.

Ryan Champ Wins Ind. Table Tennis

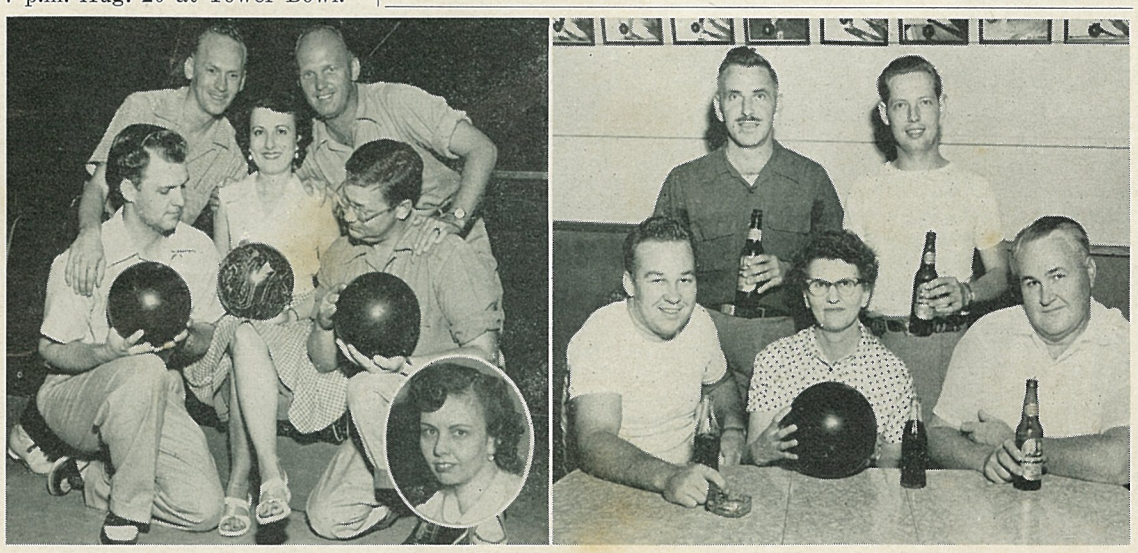
Although severely outnumbered, Ryan table tennis players did well for themselves in the annual industrial tournament, played late last month at CRA Clubhouse.

John Peeling, San Diego city champion, won the title from Ralph Martinez, both of Ryan, for the third time. Convair had to be satisfied with the consolation, which was won by Dick Lee of Dept. 6.

400 Square Dancers Attend SD Party

Over 400 people were in attendance at the July 24 party held by square dancers from Convair-SD at Big Oak Ranch, Commissioner Larry Roth reports.

Swimming, horseback riding, games and a picnic occupied the earlier hours with square dancing the main attraction that night.

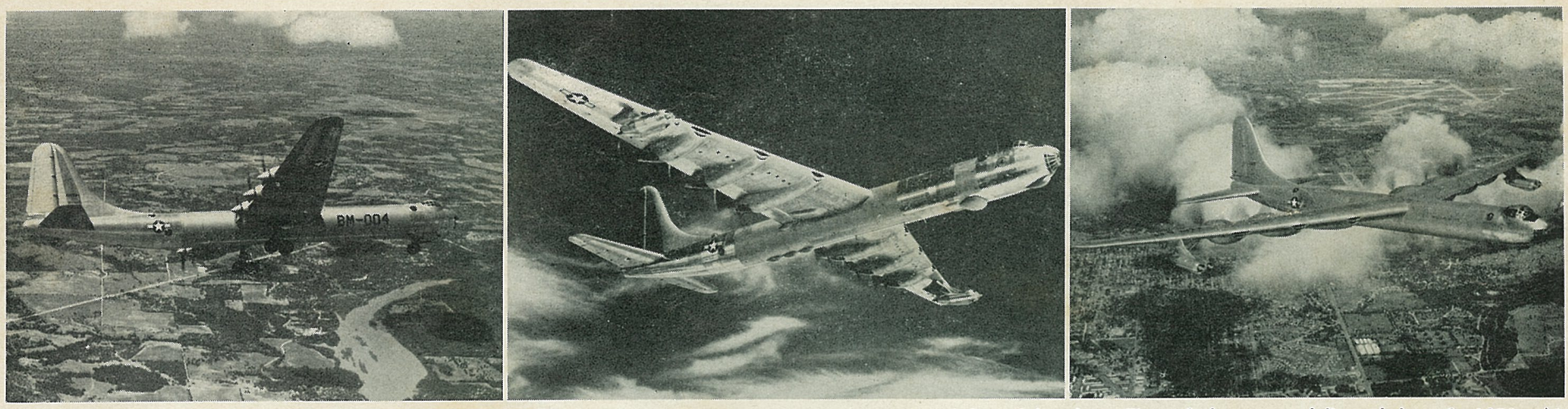


CHAMPIONS—San Diego bowlers concluded summer activities last week and teams above emerged as victors. At left are the Glow Worms who won Tuesday league. Team members are Maurie Beam, Rol Antilla, Lou Elfers, Bill Carter, Katie Law and Lorraine Mann. Wednesday league champion Chip Turners at right are Harold Glason, Grace Bihlmeyer, Ken Brown, Lee Worden and Dave Barton.

Convair Bowlers in Florida Finish 6th

A bowling team made up of members of the Convair "foreign legion" based in Florida, finished the season sixth in a field of 12. The league was sponsored by merchants in the Cocoa Beach-Cocoa area. High average for the season among Convair keglers was 160 for 36 games, rolled by J. C. Van Caster, currently of Dept. 6 SD. The Convair team on the final night broke up a first place tie between two local entries, thus determining the league winner.

ALL TIED UP—Not all SD leagues had clear-cut champions, as above picture indicates. Four teams ended in a tie for first place in the Friday mixed league. Teams, from left to right, are: 4 Hits and a Miss, Sleepers, Chisel Points, and 3 Strikes and 2 Spares. Sleepers won in playoff.



FAMOUS FIRSTS—These were milestones in years of B-36 production. At left is first production model, B-36 No. 1. It followed XB-36 and YB-36 and was delivered to Air Force Aug. 30, 1947. Center photo shows first RB-36, the reconnaissance version of famed bomber. First of these was delivered June 3, 1950. At right is first model D, which included addition of jet pods. First of these was delivered to Eglin AFB crew Aug. 19, 1950.

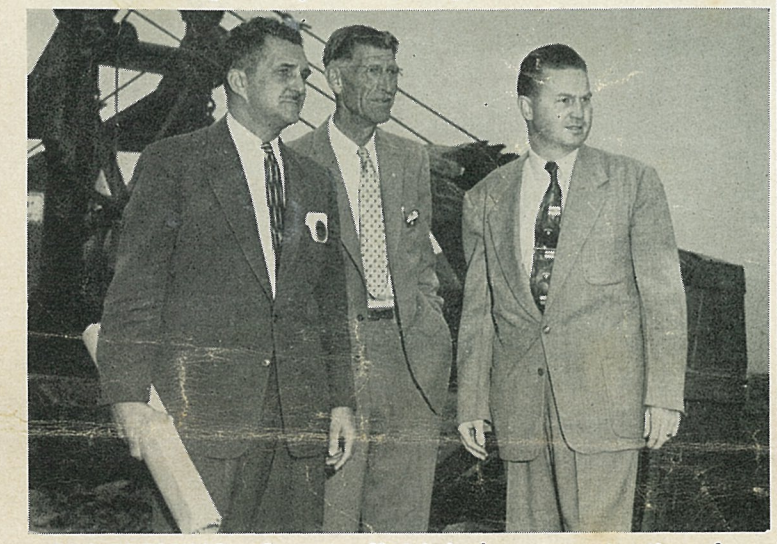
New Facility For Missile Study Being Built For AF at San Diego

Convair San Diego will have another new facility in operation late this year when construction is completed on a $250,000 test site in connection with one of the U.S. Air Force's guided missile programs.

B. F. Coggan, manager at San Diego, has announced that construction work is now under way on the installation on a five-acre plot of government-owned Fort Rosecrans. It is primarily a test unit, but no missiles will be fired from it.

Major structure on the site will be a steel tower to be covered on three sides with sheet aluminum. Two sheds will also be built to house test equipment and a horizontal testing fixture will be constructed for vibration and air-pressure tests.

H. A. Smith, chief plant engineer at SD, and Charles Giusti, construction engineer, are in charge of the construction work.



PROGRESSING—Convair officials look over construction of new $250,000 site for Air Force missile study which will be operated by Convair on five-acre plot at Fort Rosecrans. Left to right are H. A. Smith, SD chief plant engineer, Charles U. Giusti, construction engineer, and B. F. Coggan, manager at Convair San Diego.

Improved Material Handling Aim of New Pomona Program

A program to reduce costs through improved material handling methods is being launched this month at Convair Pomona, H. C. "Barney" Chambers, chairman of the material handling committee, has announced.

"Through carelessness and other types of mishandling, material which ultimately should become a part of our finished product is finding its way into scrap or salvage piles," Chambers said. "While some loss from this source is almost inevitable, it can be reduced to a minimum through the use of a little applied common sense and the development of proper handling habits."

The program will primarily be one of education and publicity, Chambers said. Posters, displays, photographs, etc., will be posted throughout the plant, and an award will be presented, each month, to the department showing the most improvement during that month in material handling. An "8 ball" award will be presented to the department showing the least improvement.

"Our committee is currently knee-deep in work, determining the areas of work and the departments to be covered," Chambers said. "Our first posters will go up throughout the plant in the very near future."

WEIGHT HELPS—Jerry Janda, Jr., is undaunted by lights and speech of TV Cowboy Roy Hogsed as latter presents him with scooter for being chubbiest two-year-old at Mission Beach Amusement Park treasure hunt, San Diego. Jerry, Sr., is in Dept. 9 at SD.

Express Bus Service Offered SD Employees

Express bus service for the convenience of Convair-SD employees living in the vicinity of 48th and University was started this week on a trial basis.

The special buses depart the corner of 48th and University at 6:09 and 6:12 a.m. each work day and arrive at Plant 1 at 6:42 and 6:48 a.m. They depart Plant 1 at 3:40 and 3:44 p.m.

Transit company officials have indicated the service will continue so long as there are sufficient riders.

And this was first GRB-36, which went through paces in launching and retrieving F-84F jet fighter March 11, 1952.

Gordon Dean, Former AEC Chief, Now General Dynamics Director

Election of Gordon Dean, former chairman of the Atomic Energy Commission, as a director of General Dynamics Corporation was announced last month by John Jay Hopkins, corporation board chairman and president.

The announcement followed a board meeting at Groton, Conn., home of the Electric Boat Division.

"Gordon Dean has earned an enviable reputation as an attorney, public servant and a uniquely qualified leader in the field of atomic energy," Hopkins commented. "General Dynamics is, of course, most pleased to welcome him as a member of our board of directors. His counsel and advice will contribute importantly to the corporation's planning in peacetime applications of atomic energy."

Dean's statement was: "For some time I have watched with interest the remarkable contribution General Dynamics has been making toward the nation's defense, and I look forward to becoming associated in this vital work."

A former resident of Vista, Calif., near San Diego, and a professor of criminal law at the University of Southern California from 1946-49, Dean was appointed to the Atomic Energy Commission in May, 1949, and served as its chairman from 1950-53. After leaving the AEC in 1953, he joined the New York firm of Lehman Bros., investment bankers. He served as assistant to Justice Robert H. Jackson in the trial of leading Nazi war criminals at Nuremburg, Germany, in 1945-46. He is a 1927 graduate of the University of Redlands, at Redlands, Calif., and holder of the doctor of jurisprudence degree from USC (1930).

More ESs, CIPs OK'd at Pomona

Four employee suggestions were approved for payment and two others were approved for installation in recent action by the executive committee at Convair-Pomona.

Paul Walrabenstein, Dept. 51, reduction of machining time on screw fastener (**Convairiety, June 2, 1954**), $100 now and $25 in six months if suggestion is still in effect and savings approximate those estimated.

H. G. Burbank, Dept. 25, installation of small phone booth in carpentry shop so phone conversations may be heard over noise level, $10.

J. C. Schlais Jr., Dept. 72, use of key similar to those used on sardine cans to extract maximum of contents from tubes of expensive cements and sealers, $11.

C. R. Mitchell, Dept. 63, elimination of unnecessary painting on a product component, $10.

Suggestions which have been approved, but not yet installed, were:

Jack Brewer, Dept. 27-1, a new tool for making dimensional checks to insure uniform quality of a product component.

R. J. Martin Jr., Dept. 6, a better method of identification of galvanometers.

Cost Improvement Proposals approved included:

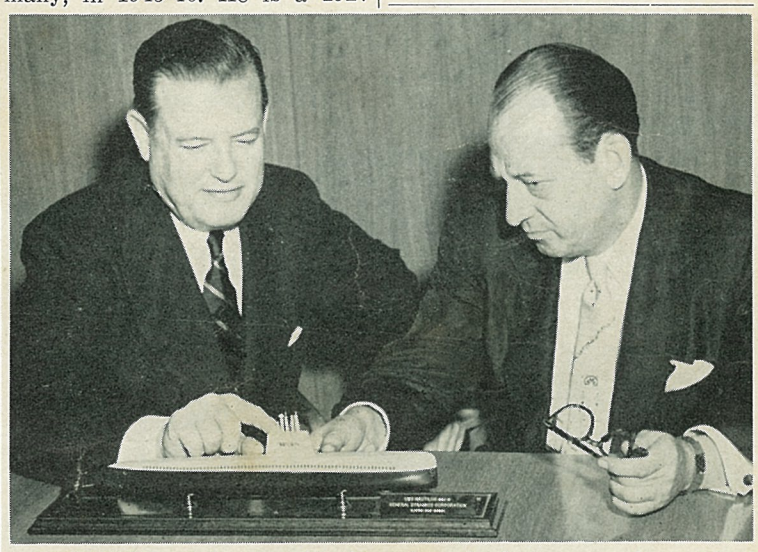
A. M. Crutchfield, Dept. 14, use of "Pony Express" electric truck to improve inter-plant mail system, annual savings of $6,397.40

E. E. Hanzlik, Dept. 61, replanning of fabrication of certain parts of product, annual savings of $1,047.49.

S. Herman, Dept. 63, new method of curing sealing compound, annual savings of $1,359.04.

L. B. Styvaert, Dept. 62, use of wedge to eliminate re-work which was resulting from use of threaded helicoil, annual savings of $263.86.

L. B. Styvaert, Dept. 62, elimination of unnecessary pressure test operation, annual savings of $780.



DIRECTOR—John Jay Hopkins, board chairman and president of General Dynamics Corporation, shows model of atomic-powered submarine "Nautilus" to Gordon Dean, former chairman of Atomic Energy Commission and newly elected director of General Dynamics.

Story of B-36 Dates Back to Early in 1941

Convair-Fort Worth Aug. 14 will observe delivery of the last B-36 to the Air Force with a public ceremony, including an address by Gen. Curtis LeMay, commander of the Strategic Air Command.

This will end the manufacture of new B-36s, but it will not close the B-36 project. The great bombers will be returning to the FW plant for modification for a long time to come.

The story of the B-36 dates back to 1941 when Gen. H. H. (Hap) Arnold, then chief of the Army Air Forces, was faced with a problem.

The United States was not then at war. But intelligence reports which streamed across Arnold's desk told a sobering story of Nazi forces overrunning Europe.

And if Britain fell, the United States might be faced with the prospect of single-handedly battling the German war machine—without bases closer than the United States.

What Arnold and the AAF needed was obvious.

A bomber that could span the Atlantic, target a deadly load of bombs and return to the United States non-stop without refueling.

On April 11, 1941, Arnold's mind was made up. AAF issued a call to aircraft makers for bids on a bomber which could do that job, and which also met these specifications:

Capable of carrying up to 72,000 pounds of bombs at reduced range, of flying from 300 to 400 miles per hour, of taking off and landing on a 5,000 foot runway, and capable of carrying a 10,000-pound bombload half the distance of a 10,000-mile non-stop flight.

A number of aircraft companies took a look at the 10,000-mile requirement — and immediately went back to their knitting. Not Consolidated Aircraft Corp., however.

On Oct. 6, 1941, Consolidated President Reuben Fleet told AAF that his company could produce such a plane.

Building of the first two planes —the XB-36 and the YB-36— lagged, however, because the AAF put higher priority on the Convair-designed B-24 Liberator bombers critically needed then. From the B-24, the plant went into production of the B-32, a four-engine bomber of the B-29 class.

By the summer of 1943, it appeared that the B-36 might offer the only means of striking at the Japanese homeland. No other plane had the range to make it from bases held then.

The tempo quickened, and the AAF on July 23, 1943, ordered 100 production models.

With the defeat of both Germany and Japan in the summer of 1945, the AAF re-examined its contracts in the light of post-war needs. The decision—it still needed the B-36. Atomic warfare meant a need for instantaneous retaliation.

The XB-36 was wheeled out of the secrecy-shrouded experimental building on its own gear on a hot Sept. 8, 1945, but it was not until Aug. 8, 1946, that it was ready for flight.

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Convairiety

San Diego EDITION

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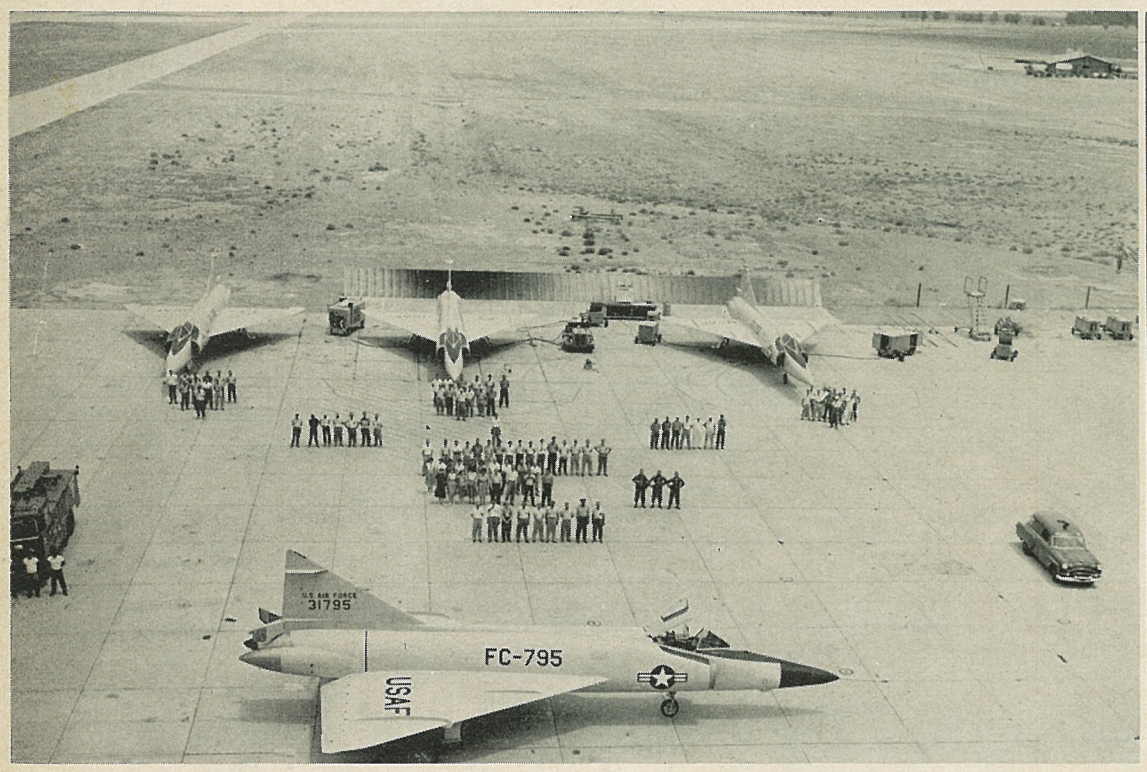
SAN DIEGO AND POMONA, CALIFORNIA DAINGERFIELD AND FORT WORTH, TEXAS



LINEUP—Convair staff at Palmdale lines up for unusual photo, with equipment and airplanes. It was shot from helicopter by SD's Roger Jett and marks some kind of new speed record. Groups were posed and photo shot within 10 minutes! For impressive flight shots of F-102s, see page 8.

New Post War Safety Record Achieved by SD

A new post-war safety record went into the books at Convair San Diego this week as employees looked back over 66 days worked without a lost-time accident through the close of the work week ending Sunday (Aug. 21).

Running continuously since June 17, the record represents some 7,727,214 manhours.

The mark betters the longest previous accident-free period worked in 1955 (43 days) and at the same time tops the previous post-war high mark of 59 straight days logged early in 1954.

Considering days, the new mark is a week longer than the 1954 period, but represents only 77,682 manhours more, due to the fluctuation of total manhours worked during each period. At present, the plant adds some 117,079 manhours for each day worked.

San Diego employees have already earned the right to add an additional star to their National Safety Council award pennant for their safe working habits in 1955. Each star represents an outstanding accident-free period worked and is symbolic of the Award of Honor, highest bestowed by the council. Convair SD now has six stars on its pennant, each representing a different year.

Meanwhile, the continuing safety contest showed a result of the prolonged period when July records reflected six functions representing 17 departments had perfect records.

(The continuing contest is a little tougher, since it considers all cases requiring the services of a doctor, rather than just those resulting in lost time for an employee.)

Supt. J. F. Glenn and his 340 final assembly departments (37, 52, 55, 56) led the field with 122,643 manhours worked during July.

Manufacturing control departments at both plants (522 under Vince Cernuto and 22 under T. F. McAleer) were next with 104,982 and 104,879 manhours respectively.

Other perfect groups included material departments (4, 14) under B. F. Gibbons; R3Y major and final (40, 43, 44, 45, 46) under A. R. Johnson; and electronics (250, 350, 355, 375) under F. B. Kemper.

Cafeterias at Plant 1 Close Beginning Monday

Food service at cafeterias serving Convair San Diego's Plant 1 will be suspended for approximately one month beginning Monday (Aug. 29).

During that time both buildings will be renovated and modernized with painting, general maintenance work and the installation of some new equipment.

Canteens throughout the Plant 1 area will continue to function as usual and will carry an adequate assortment of sandwiches, drinks, desserts, etc., to care for the anticipated increase in customers.

The over-all readjustment of food service at Plant 1 coincides with turning over responsibilities to a new firm—the Prophet Co. The same concern now operates the cafeteria at Plant 2 as well as canteen service and is in complete charge of food facilities at Convair Pomona.

"Despite some inconveniences caused by the closing of cafeterias during this period, we feel that employees will be very pleased with the improved facilities and menus once we are in operation again," J. K. Field, SD chief of employee services, said.

"We are fortunate to have an outstanding firm like the Prophet Co. in complete charge of all Convair SD food facilities."

Canteens that will be functioning during the next four weeks are located at: the south end of Building 7; the southwest corner of Building 4; opposite Building 14; east of Building 33; and north of Building 19.

The Aircraft Cafe on Pacific Highway will also remain open.

Third Order For F-102s Placed

Convair early this month announced award of a "multimillion dollar production contract" for the F-102A jet interceptor and TF-102A combat proficiency trainer.

This is the third order for the supersonic delta wing F-102A and the second involving the TF-102A, Gen. Joseph T. McNarney, president of Convair, said.

Convair's Plant 2 at San Diego is building the interceptors for use by the Air Defense Command. Sections of the TF-102A are being built at Convair Fort Worth and shipped to San Diego for final assembly.

Delivery of production models began in July and will continue on a regular monthly schedule, with airplanes being flown to Palmdale for final field operation functions and ultimate transfer to the Air Force. New facilities are being built there to accommodate the work load as it builds up.

Labor Day Holiday

Convair people everywhere will take a rest Sept. 5 in observance of Labor Day. Only those who have been notified in advance will be required to work.

Dr. R. N. Little Will Head New Nuclear Dept.

Six men with years of experience in atomic energy work now have been named to take key posts in Convair Fort Worth's new nuclear research and development department (Dept. 16).

The appointments were announced by August C. Esenwein, FW manager. He emphasized that the new department's purpose is two-fold:

To carry through on the plant's program of research and development for the Air Force in the area of nuclear powered aircraft; and to strengthen generally Convair FW's capabilities in this program.

Heading the department is Dr. R. N. Little, manager (**Convairiety**, Aug. 10). Dr. Little came to Convair Fort Worth as chief of nuclear physics in 1953.

(Continued on Page 2)

Two FW Engineers Among Winners of Convair Fellowships

Ten Convair awards of $1,000 each for advanced college studies were announced today by Convair Fort Worth for 10 graduates—two of whom now work at Convair Fort Worth.

Employee winners are: P. G. Hedgcoxe, aerophysics engineer; and R. R. Mueller, junior engineer. Both are in engineering department.

Each of the winners will receive $100 a month for a period of 10 months so long as he maintains scholastic and other requirements, according to August C. Esenwein, Convair Fort Worth manager.

At the end of the school year, any having further work necessary for an advanced degree may ask that he be considered for another $1,000 award the following year.

Purpose of the awards is to help qualified graduate students continue their studies in higher learning. They are under no obligation to Convair.

Charactron Project Transferred To Stromberg-Carlson Division

Transfer of Convair's Charactron project to Stromberg-Carlson Division of General Dynamics Corporation was announced last week by John Jay Hopkins, board chairman and president of General Dynamics.

Hopkins said that the move coincides with a broad expansion of west coast activity by Stromberg-Carlson including the acquisition of the former Electronic Control Systems, Inc., of Los Angeles, specialists in automation, electronic computers and data handling systems.

Production of the charactron tube will continue at the present plant at 3235 Hancock in San Diego, but under Stromberg-Carlson management. Robert Tait, Stromberg-Carlson president, said the Charactron project staff will be augmented immediately and that as soon as possible Stromberg-Carlson West Coast will undertake other electronics work.

Convair has had patent rights to the Charactron tube since 1950. Essentially the tube is a revolutionary means of electronically displaying communications or computer output data, 1,000 times faster than by conventional mechanical methods. It is capable of producing legible message symbols at speeds of 10,000 characters per second.

Development of the Charactron by Convair began some years ago, with a small staff. At one time the project was located at Plant 2 but early in 1954 personnel moved to a remodeled building at Hancock and Greenwood which once was the community center for Frontier Housing. First scheduled production was begun in September, 1954.

Gen. Joseph T. McNarney, Convair president, said Convair "initiated the transfer as a logical organizational move."

"The project was separated from our main San Diego plant some time ago," he added. "The San Diego plant is in no way affected."

Leonard Mautner, assistant vice president of Stromberg-Carlson will be in charge of Stromberg-Carlson West Coast and resident manager of the firm's San Diego facilities.

New Hotel Selected As Fall Dance Site

Convair SD Management Club members and their ladies will take over the ballroom at the recently completed White Sands Hotel in La Jolla Sept. 10 for the club's annual fall dance.

The affair is under the sponsorship of manufacturing control departments at both plants and will feature the music of Merle Carlson and his orchestra.

DAY BY DAY—As Convair SD's disabling accident-free period stretched closer to a record, these were the men most anxiously watching the scoreboard. They are SD's safety engineers, shown with B. F. Coggan, SD manager. Left to right: Tony Comito, Chief Safety Engineer M. C. Val Dez, Glenn Berg, Coggan, Mike Clark, Yale Naliboff.

Dept. 255 Dominates SD Cost Reduction

Dept. 255 (tubing and cable) continued domination of the month to month cost reduction contest at Convair San Diego during July by submitting 27 per cent more CIP's and ES's than for June.

Also considered was the greater than normal proportion of ES's approved by the cost reduction committee.

Dept. 202 (sub-assembly) continued to hold second place, while Dept. 355 (fabric and tubing) climbed into third spot.

★ ★ Log Book Entries ★ ★

Service Emblems

SAN DIEGO

Service emblems due during the period August 11 through August 20:

Fifteen-year: Dept. 1-71, Jack Mason. Dept. 6, R. L. Hurst, T. R. King, R. N. Lewton, C. D. McCarty, R. S. Shorey, B. L. Van Tuyl. Dept. 8-5, D. J. Markovich. Dept. 14-1, V. J. Norris. Dept. 22-2, M. L. Goodall. Dept. 24-1, T. M. Wood. Dept. 25-1, J. W. Hanselman.

Dept. 31, R. E. Bowman, Tomas Castro, R. A. Richardson, P. H. Rudolph. Dept. 55, E. D. Buffaloe. Dept. 70, W. M. Bender, G. C. Landy. Dept. 102, J. F. Ames, C. L. McNeal, C. W. Spafford. Dept. 300, W. R. Carey. Dept. 350, K. D. Carter.

Ten-year: Dept. 3-3, Louise Thompson. Dept. 6, S. W. Kerr. Dept. 25, William McFarlane, L. S. Young. Dept. 31, G. W. Burgess, W. E. Jaynes. Dept. 72, E. R. Shaw. Dept. 250, Grace G. Ross. Dept. 300, S. P. Brower. Dept. 407, L. G. McCabe. Dept. 524-1, M. L. Marks, Jr.

Five-year: Dept. 1-24, J. F. Scanlon. Dept. 3, W. E. Bowman, Carlo Di Maggio, Val Pry, E. H. Stone, K. D. Woodruff. Dept. 4, Irene M. Peters, Kathleen S. Woods.

Dept. 6, C. W. Bieberdorf, W. W. Crane, L. V. Hoffman, R. B. Katan, E. E. Layne, E. R. Peters, Jr., H. C. Raptis, R. G. Umholtz, Jr. Dept. 8, H. C. Courington, Leland Dresser, W. H. Loretz. Dept. 9, R. P. Herrmann.

Dept. 14, W. W. Cleveland, W. R. Foster. Dept. 22, C. M. Gudmundson, J. I. Laird, G. E. Neely, Ruth M. Price, Jennie N. Williams. Dept. 24, H. R. Heyn. Dept. 25, E. W. Andrews, J. C. Hays, R. G. Martin, J. A. Master, H. C. Nance, R. E. Nelson, L. O. Scott. Dept. 27, T. D. Anderson.

Dept. 28, E. L. Bacon, J. W. Bell, R. D. Bucholz, Charlotte L. Fournier, O. F. Kennann, R. J. McLeod. Dept. 31, L. J. Bryan, F. J. Chiechi, A. B. Conard, Walter Kubistek, W. A. Leet, R. E. Muelchi, J. F. Swenson, R. T. Whitley. Dept. 35, W. N. Cabrera. Dept. 37, R. E. Libby, J. E. Slean.

Dept. 40, G. E. Haddad. Dept. 44, Manuel Alvarado. Dept. 46, O. C. Dunn, C. J. Lambie, B. E. Runyan. Dept. 52, J. C. Danner, C. P. Littrell. Dept. 55, J. K. Vasiloff. Dept. 60, R. K. Peters.

Dept. 70, Alfredo Benavides, P. J. Bonilla, J. A. Frost, A. O. Sanchez. Dept. 72, W. E. Carrikern, J. A. Hawke. Dept. 101, C. D. Gates. Dept. 102, E. S. Moghabghab. Dept. 115, S. S. Jenson. Dept. 201, Elizabeth B. Revy, Dave Shuler.

Dept. 202, Fred Chavez. Dept. 204, John Kowal. Dept. 250, Mary C. B. DiPace, I. P. Lewis, Muriel H. Warren. Dept. 252, Myrtle C. Green, Mary T. Kelly, Eleanore W. Ringe, Hattie H. B. West.

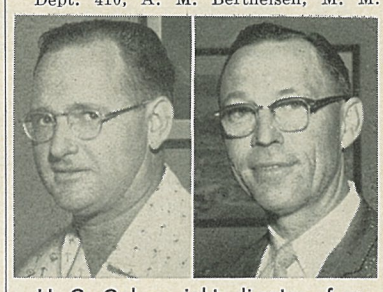
Dept. 258, H. D. Dudley, M. J. Lattuca. Dept. 300, J. A. Hunter, Mike Landrum. Dept. 303, R. L. Hart, W. W. Stockton, Jr. Dept. 313, T. J. Burger, C. J. Socin. Dept. 350, J. A. Diaz, W. C. Scott. Dept. 375, T. H. Smith.

Dept. 410, A. M. Berthelsen, M. M. Miranda. Dept. 440, C. F. Uhden. Dept. 522, J. F. Bearss, F. E. Carranza, G. N. Consigli, D. A. Hunter. Dept. 524, L. H. Cordova. Dept. 528, R. A. Ellis, E. B. Smolenski.

POMONA

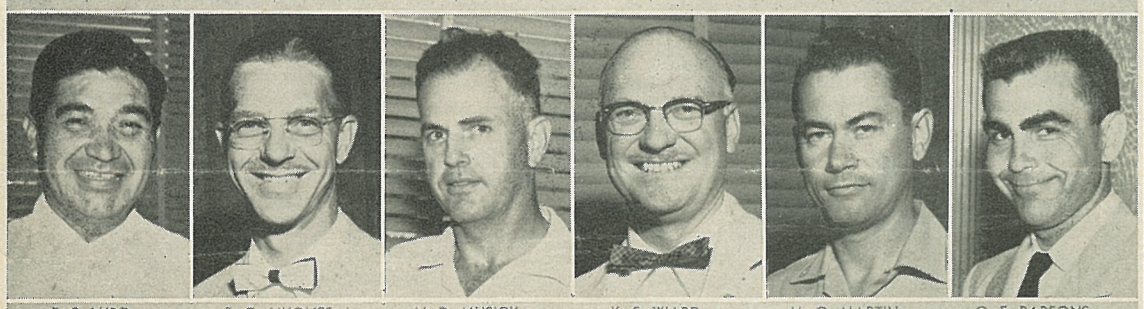
Ten-year: Dept. 24-1, H. C. Jones. Dept. 27-1, W. M. Wurzler.

Five-year: Dept. 4-1, J. F. Briggs. Dept. 6-0, J. G. Deskin, H. P. Nance. Dept. 22-1, Marjorie B. Connor. Dept. 31, C. J. Yahn.



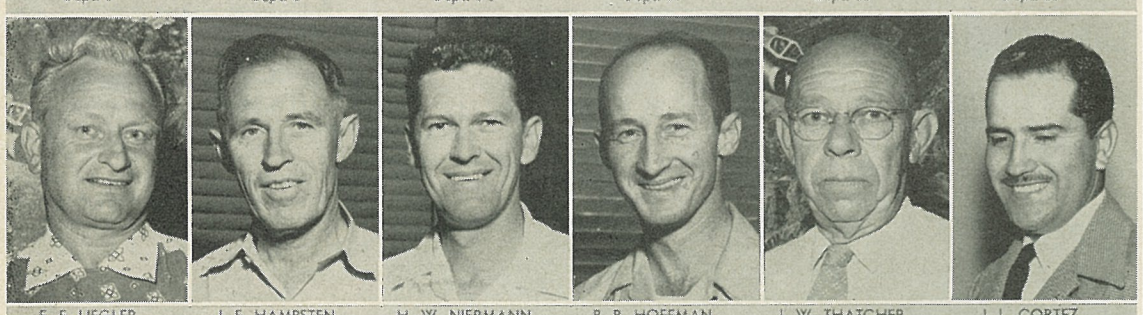
H. G. Golem, right, director of procurement for Convair, received his 25-year pin recently and L. R. Robbins of Dept. 24-1 joined ranks of 20-year men at San Diego. Pictured below are men who recently completed 15 years.

R. R. ATKINSON, Dept. 31 — R. W. MENZIE, Dept. 31 — J. A. W. HICKMAN, Dept. 24-1 — W. C. PAHL, Dept. 31 — E. H. DAMARUS, Dept. 24-1 — D. D. CLAXTON, Dept. 6

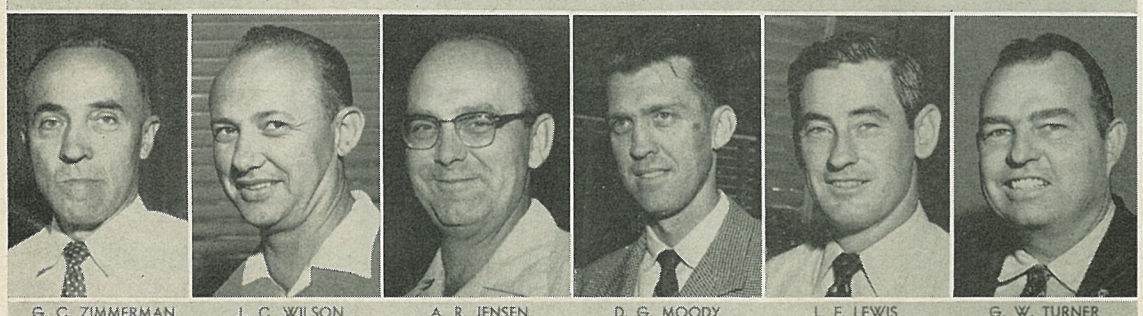


F. B. LUBO, Dept. 6-2 — S. G. HUGHES, Dept. 31 — H. D. MUSICK, Dept. 6 — K. E. WARD, Dept. 6 — M. O. MARTIN, Dept. 31 — C. E. PARSONS, Dept. 40

C. F. BOYLE, Dept. 6 — SETH GUNTHORP, Dept. 6 — G. F. FOELSCH, Dept. 6-3 — V. H. SCHADE, Dept. 31 — J. R. MIKULSKY, Dept. 55 — C. R. MANSFIELD, Dept. 60



E. F. LIEGLER, Dept. 603-1 — J. E. HAMPSTEN, Dept. 31 — H. W. NIERMANN, Dept. 31 — P. R. HOFFMAN, Dept. 31 — J. W. THATCHER, Dept. 603-2 — J. L. CORTEZ, Dept. 401



G. C. ZIMMERMAN, Dept. 31 — L. C. WILSON, Dept. 6 — A. R. JENSEN, Dept. 6-2 — D. G. MOODY, Dept. 6 — L. F. LEWIS, Dept. 31 — G. W. TURNER, Dept. 28-8

Lost & Found

SAN DIEGO

LOST—Brown morocco leather wallet, probably in area of Col. H-4, 3rd floor, Bldg. 5, Plant 1, August 8. Contains important personal papers and identification for Clifford Croome, 1241 Shrader St., San Francisco 17, Calif. Finder contact Croome at cxt. 1193.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective August 8:

Dept. 6, Engineering: To senior project engineer, F. H. Sharp, B. J. Simons. To asst. design engineer, R. F. Nelson.

Dept. 11-2, Parts Sales: To parts sales control asst. supervisor, C. B. Robinson.

Dept. 24-1, Tool Planning & Design: To tooling asst. supervisor (effective Aug. 1), G. B. Branch, R. R. Sodomka.

Dept. 61, Wind Tunnel: To wind tunnel manager, J. H. Struthers.

Dept. 529-4, Palmdale: To inspection asst. supervisor, H. Ott.

Dept. 603-4, Tool Manufacturing: To asst. foreman, W. Clark, A. P. Garcia.

POMONA

Dept. 3, Industrial Relations & Security: To guard captain, M. F. Pletcher.

Dept. 11, Contracts: To parts sales supervisor, F. M. Shulze.

Dept. 73, Missile Checkout: To asst. foreman, W. L. Hamlin.

Awards

SAN DIEGO

Employee Suggestion awards totaled $1,804.75 for the weeks ending July 28 and August 4:

Dept. 4, Material: G. G. Bebb, $10.

Dept. 6, Engineering: E. C. Stuart, $50.

Dept. 9, Controller's: W. F. Carter, $20; J. R. Larson, $10; R. L. Manning, $10; T. Mitchell, Jr., $10; W. K. Woods, $32.

Dept. 10, Industrial Accounting: H. L. King, $72.50 (final payment).

Dept. 11, Contracts: E. D. Ruggles, $100 (partial payment).

Dept. 14, Shipping & Material Stores: V. T. Cannon, $35.50.

Dept. 22, Manufacturing Control: J. F. Kraemer, $10; E. R. Wilson, $15.

Dept. 23, Factory Manager's Office: M. W. Coulston, $10.

Dept. 24, Tooling: H. S. West, $65.

Dept. 25, Plant Engineering: J. Balestrieri, $5; K. S. Kerch, $10; R. A. Sage, $95; C. W. Smith, $20; P. Stoops, $25; J. E. Thompson, $10.

Dept. 30, Model 8 Final Assembly: S. K. Holder, Jr., $15; T. G. Saint Sing and L. F. Lau, $15 each.

Dept. 31, Experimental: P. E. Desbiens, $10; E. E. Wamsley, $10.

Dept. 55, 340 Fuselage: P. J. Aslin (two awards), $15; G. W. Baptiste, $5; H. G. Bauer, $10; J. C. Furtado, $20; C. S. Goodman, $10; L. R. Scott, $10; R. S. Turner, $10; C. Wardinski, $20.

Dept. 60, Model 8 Wing & Tail: R. P. McGhen, I. P. Mouet (two awards) $10.50; H. V. Stickel, $15.

Dept. 70, Model 8 Fuselage: M. Belton, $10; K. E. Garland and F. B. Tompkins, $15 each; C. O. Kohl, $10; T. L. Schultz, $15.

Dept. 72, Model 8 Fuselage Primary: R. H. Bertram, $69.

Dept. 101, Sheet Metal: C. D. Duncan, $10; J. B. Perez, $73; S. B. Radford, $15.

Dept. 102, Sub-Assembly & Processing: E. Fountain, $10; L. W. Lind, $25.

Dept. 115, Machine Shop: V. E. Hoagland, $32 (final payment); S. T. Krebs, $10; H. B. Wilson, $10.

Dept. 201, Sheet Metal: G. A. Allan, $5.

Dept. 203, Welding: W. T. Curtis, $10; W. Wantuch, $5.

Dept. 215, Machine Shop: R. F. Baumer, $10; G. R. Eldridge, $29.75; L. Harrington, $10; W. H. Orr, $72; D. W. Peery, $15; E. V. Rowe, $31.75.

Dept. 255, Tubing & Cable: R. J. Derocher, $15; H. R. Dewhurst, $20.

Dept. 258, Proofing Mock-Up: D. L. Kimball, $11.75.

Dept. 300, Field Operations: F. A. Henry, $15.

Dept. 350, Proofing Mock-Up: M. Dumas, $10.

Dept. 401, Jigs & Fixtures: C. F. McKeown, $26; N. A. Striffler, $26.

Dept. 522, Manufacturing Control: B. Seeloff and J. Bentson, $45 each.

Dept. 524, Tooling: R. A. Mitchell, $5.

Dept. 528, Inspection: A. H. Buntzen, $5; L. Fredrickson, $5.

Dept. 603, Tool Manufacturing: J. H. Kenselman and E. D. Burnett, $90 each (partial payment).

IS IT NEWS?
Call Convairiety SD
Ext. 1071

★ Convairiety ★

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Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Elizabeth McCuistion.

Births

SAN DIEGO

BINGERS—daughter, Deborah Jean, 6 lbs., 1½ ozs., born Aug. 7 to Mr. and Mrs. Edward Bingers, Dept. 22.

CARLSON—son, Daniel Paul, 9 lbs., 4 ozs., born Aug. 1 to Mr. and Mrs. Gordon M. Carlson, Dept. 61.

POMONA

CHERRY—Son, Brady Dean, 7 lbs. 3 oz., born August 8 to Mr. and Mrs. Eugene A. Cherry, Dept. 8.

SARGENT—Son, Jeffrey Jay, 10 lbs. 2 oz., born June 22 to Mr. and Mrs. Russell Sargent, Dept. 6.

TYLER—Daughter, Teresa Maurine, 7 lbs. 2 oz., born Aug. 3 to Mr. and Mrs. George N. Tyler, Dept. 72.

"I wish they'd make those TV commercials longer . . . I haven't had time to shave in a week."

Dr. Little Will Head Nuclear Dept. Newly Formed at FW

(Continued from Page 1)

Working with Dr. Little will be: Dr. B. P. Leonard, assistant manager-nuclear research and development; John A. Scott, assistant manager-administration; R. L. Lemmon, chief of nuclear operations; Dr. H. R. Dvorak, chief of radiation effects research; Dr. W. R. Faust, chief of nuclear research; D. P. Wood, superintendent of nuclear manufacturing support.

All except Dr. Faust were already in Convair nuclear energy programs. Dr. Faust will come to Convair from the Naval Research Laboratory at Washington, D. C. He will assume his new duties about Oct. 15.

Escort Accompanies Departing In-Law

Mrs. Elizabeth Brunt is one mother-in-law who needn't feel neglected. Gene Young, Dept. 6 at Convair Pomona, was accompanying his wife to the Santa Fe train depot in Pomona to bid farewell to Mrs. Young's mother who was returning to Emporia, Kan.

Gene helpfully carried Mrs. Brunt's baggage on the train and was helping to get her settled for the trip. As he was doing this the porter came out to pick up the stairway. Gene's wife, standing nearby, said:

"You can't leave. My husband's on the train!"

In turn the porter replied: "Yes, mam, we have quite a few husbands on this train."

As the train was pulling out —next stop San Bernardino— the porter yelled: "Wave goodbye to him, lady."

(Brunt finally got off the train, but not before it had reached San Bernardino. Mrs. Brunt, meanwhile, was forced to drive there. Fortunately she had the car keys.)

CONVAIR MAN GOES TO CADET TRAINING

Daro E. Shaw of Pomona Dept. 72, second shift, early this month took military leave of absence and reported to San Antonio, Tex. as a cadet pilot. His father is Eugene R. Shaw of San Diego, also Dept. 72 swing shift.

GRB-36 May Join National Air Show

A GRB-36, now undergoing tests with a RF-84F jet fighter as a "parasite," may be one of the attractions at the Philadelphia Air Show, Sept. 3-5.

The big "aircraft carrier" and the jet fighter which is launched and retrieved in mid-air, are currently working together out of Convair Fort Worth. B. A. Erickson, FW manager of flight, indicated that plans are being discussed for participation at the air show, though details are yet to be worked out. If so, this will be the third year that the GRB-36 has performed before the national air audience.

NEW SLANT—Photo of Pomona plant, taken from drop tower, shows Building 4 in foreground. (Note unusual effect of ventilation system "houses.") Large building is No. 2. Ground was broken for this plant just four years ago this month, when area was a walnut grove!

It Was Four Years Ago This Month That Ground Was Broken at Pomona

Four years ago this month—on Monday, Aug. 6, 1951—Rear Admiral M. F. Schoeffel, USN, then chief of the Bureau of Ordnance, turned over a shovel of dirt to signal the beginning of construction of a new Naval Industrial Reserve Ordnance Plant at Pomona.

The plant, operated under contract by Convair's Pomona Division since even before completion, today bears little resemblance to the walnut grove in which the ground breaking ceremony was performed. The major buildings have long since been completed, adjacent streets have been widened and improved to handle the shift-change flow of traffic, and Convair people are engaged in the production of "Terrier" guided missiles for the Navy.

Although the plant was not actually completed and dedicated—in another ceremony—until May of 1953, Convair people were on the spot almost from the beginning of construction. The now famous "task force"—made up of representatives of plant engineering, industrial engineering and engineering—were the first Convair people at the plant, as a liaison and coordinating group.

In the meantime, the Pomona Division—then called "Guided Missile Division"—was "a house divided," physically but not in spirit or purpose. A large portion was still in San Diego, some were located in the "Annex" (present site of the new J. C. Penney store on Second Street in downtown Pomona) and still others were at the Los Angeles County Fairgrounds.

Occupation of the new plant began during the summer of 1952 (the fairgrounds buildings had to be evacuated in time to return them to their original state before the County Fair began in September) and continued through February, 1953, when the mass movement of the San Diego contingent took place.

First building to be occupied was No. 4 and there was a time when all departments were piled in together in the area now assigned to experimental.

"Thank heavens it was only temporary," one pioneer of the Pomona plant recalled. "It was hot and dusty, noisy and crowded. Fortunately almost everyone took the situation in stride and we lived through it."

Even by the time of the dedication ceremony, May 23, 1953, the plant was not fully activated, though occupation of most of the other buildings had started. Within a few months, however, the plant had weathered its "shakedown" and operations became smoother and smoother.

There was no fanfare this month as the Pomona plant passed its birthday. There was little time for reminiscing, with production schedules to be met.

Convair Men in Key Roles at SD As United Success Drive Nears

Representatives of the Convair San Diego Con-Trib-Club Committee went touring early this month for a closer look at two of the agencies that will receive Con-Trib funds during the United Success drive which opens next month.

Committee members W. R. Bever, W. A. Ebel and Frank Pickard visited the Boys' Club of San Diego and the Bayside Social Center, two of the 46 organizations supported by United Success contributions.

Meanwhile, Convair's interest in the drive, which opens Sept. 8, continued at a high level. Not only will Convair employees support the drive through distribution of Con - Trib - Club funds, but several key executives are handling important assignments within the campaign.

Convair President Joseph T. McNarney heads the loan executive committee, while B. F. Coggan, manager at Convair SD, is chairman of the budget committee and G. A. Covington, assistant to the division manager, heads the commerce and industry committee. Frank Pickard is leader of the aircraft industries section of the commerce and industry committee.

McNarney arranged for industrial and business firms in San Diego to lend 30 executives full-time for work during the campaign, which continues through October.

D. A. Archibald, chief of inspection at Plant 1, and Fred Hamlin of general offices public relations are serving in the program. Archibald heads the automotive section of commerce and industry, while Hamlin is manager of special activities.

While the 1955-56 United Success goal hadn't been established at press time, it is expected to be larger than the $1,340,000 goal in the 1954-55 drive.

Con-Trib-Club Committee members will determine Convair's fair share in the campaign at a meeting early next month. However, it is expected to be larger than the contribution of $106,000 made on behalf of Convair employees last year.

ON TOUR—Con-Trib-Club committee members at San Diego recently took a look at where United Success dollars go when they toured a number of agencies. Shown at Boys' Club, where they galleried a pool game, are W. R. Bever, William Ebel and the club director, A. Kullmann.

Navy Flight Crews Begin R4Y Training at Convair

Flight crews assigned to operate the Navy's new R4Y transports now being built at Convair San Diego began taking familiarization courses early this month at San Diego's Plant 1.

Each of five classes will have about 14 members and will be taught by members of production flight's training section.

Class work will include familiarization with the twin-engine transports, their systems and components, plus certain flight characteristics.

Actual flight training will follow the two-week Convair course and is set for North Island Naval Air Station. The first class was scheduled to move to North Island yesterday (Aug. 23) for the final phases of training.

Meanwhile, maintenance training for ground crews is set to begin with Convair service engineers scheduled to visit some 14 Naval installations to instruct classes. Classes will be set up to coincide with the delivery of the first R4Y to each base.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

* * *

Convairiety Sept. 1 will observe second birthday.

* * *

XP5Y-1 up more than 8 hours during test flight to set new record for turboprop aircraft.

* * *

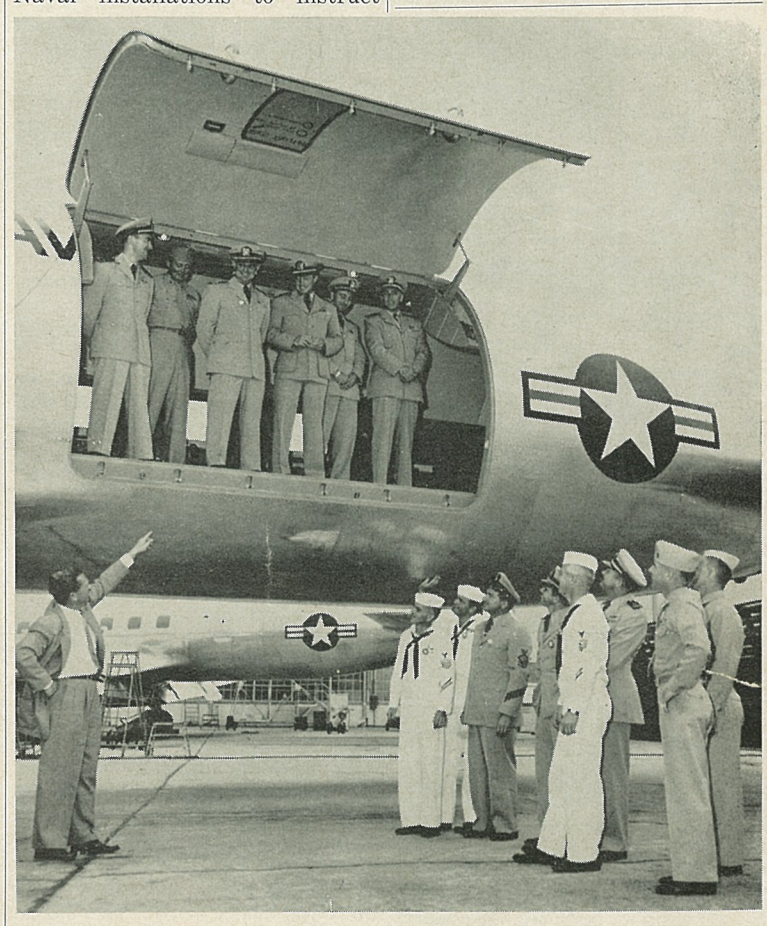
First B-36D (jet pod equipped) delivered to Air Force.

* * *

Convair San Diego hunters dodge electrical storms during opening of dove season.

* * *

Orient Airways reports 100 per cent load factor on Convair-Liners, with flights booked two months in advance.



FRAMED—Large cargo door on Navy R4Y transport makes ideal vantage point for group of Navy and Marine flight crews as Lou Knudsen, Convair flight engineer, points out finer points of airplane. Group was first to attend ground school course being taught at Convair San Diego.

Convair FW Clubmen Take Lead In Laying NAF Convention Plans

(For picture, see page 5)

"Management's New Frontiers" will be explored at Fort Worth in September when the Convair Fort Worth Management Club plays host to the annual conference of the National Association of Foremen.

The thirty-second annual meeting will be held in Hotel Texas Sept. 28-30. In addition to other delegates from the 48 states, good-sized delegations also are planned from Convair San Diego and Convair Pomona.

Chairman of the convention council is W. E. Magnuson, superintendent of fabrication at Convair and a director of NAF. Loyd L. Turner, special assistant to the FW manager, is convention co-chairman.

Other committee chairmen are: Budge Lee, program; I. B. Hale, housing; Sam Keith, entertainment; George Symm, arrangements; Bruce McHarg, registration; L. H. Allen, reception; Larry Hayes, public relations.

Mrs. W. E. Magnuson and Mrs. L. L. Turner, are co-chairmen of the ladies' activities committee.

"This is the first time the NAF convention has been held west of the Mississippi River," said Magnuson. "We're planning a record-breaking shindig to welcome delegates to the west."

Convair Fort Worth will host a get-acquainted hour at 6 p.m. on Sept. 28 in the Crystal Ballroom of the Hotel Texas, convention headquarters.

At 7:30 p.m. on Sept. 30, a Texas Round-up will be held at the CRA Ranch with a chuckwagon dinner and a rodeo.

Tooling Holds Picnic

Some 1,500 tooling department employees and their families from Convair San Diego's Plant 2 attended a picnic Aug. 13 at El Monte Park, Lakeside. Prizes were awarded for a number of events and various contests and games for all ages were staged.

"I couldn't stand it so I got a divorce! I had to do all the dirty work around the house!"

MIDGET WORLD—Pat Galloway of Dept. 6 at Pomona works in a miniature world of toy humans and machines. Her models help eliminate errors before production stage, when corrections would be costly. Note tiny "men" and electronic unit on her desk.

'Playing With Dolls'

Toy Men and Machines Solve Layout Problems in Advance

If Convair Pomona's Pat Galloway (Dept. 6) sometimes appears to be making toys during working hours, there's a good reason for it.

The "toys" are exact scale models of proposed Convair test equipment, electronic packages, etc., some of which haven't even progressed to the "drawing board" stage.

And the "dolls" which she sometimes has on her desk, though only slightly over six inches high—are scale models of the "average human male." Their height, eye level, length of arms and legs, etc., are all to scale.

"Pat's models have been very helpful in correcting design errors before a component reaches the production stage," George Schillreff, engineer in charge of the electronic systems group of the advanced Terrier project, said.

The "dolls" are used with equipment models of identical scale, to determine if controls can be reached, dials read, etc. by future operators, and also if the operator can be seated comfortably, if he has adequate writing surfaces, if he can see over the equipment, etc.

Although Pat has been with Convair only a year and a half, she has been building models professionally since before World War II. An architecture student, she once worked for the Department of Interior, making models of proposed buildings and park developments. When World War II came she worked for the Army Engineers at Ft. Belvoir, Va., building terrain models for use in officer training.

"The Army also used them for planning invasions," Pat said. "Eventually this job became too large for our shop, and we opened a school to train model-makers for engineer battalions. I was an instructor."

Pat met her husband at the school—he was one of her students—and after the war they opened a model building business in Hollywood and Los Angeles. Clients included architects, motion picture and television studios, advertising agencies, government agencies, contractors, etc.

Many have been used in movie and TV sets, but most have been ordered by architects to help clients visualize buildings before construction.

Landscaping supplies for the models have always been a problem, and Pat and her husband developed their own. This led to a demand from other model builders, until now this leg of the business acounts for more volume than the building of models themselves!

VILLAGE VIEW?—Buildings here are little more than knee high to a grasshopper. They are part of a television set built by Pomona's Pat Galloway. As professional model-builder, she created many such as this before joining Convair.

Courageous Convair FW Mother Conquers Handicap, Crochets Again

A crochet hook might seem a tiny thing to hang your hopes of a lifetime on . . .

But that's just about what the crochet hook meant to an attractive Convair Fort Worth woman who has learned all over again how to live.

And this time without fingers.

She's plucky Billie Taylor, of Dept. 31, who lost her fingers in a freak accident in 1951.

Said her doctor before she left the hospital:

"From now on, you can act like a disabled person. No one could blame you.

"Or you can learn to do things for yourself—just as you always have."

Billie made her choice. It wasn't easy—and it took many months. But Billie learned how to feed and dress herself. She re-learned how to cook and keep house. She learned how to do her job at Convair despite the handicap. What's more she learned all over again how to take care of her four teenage sons and daughters as well.

VICTOR—Despite loss of fingers, Fort Worth's Billie Taylor crochets again. She makes own clothes, as well as those of daughters.

"I was getting by," Billie said. "But I wasn't satisfied with that.

"Crocheting had always been one of my favorite pastimes—and I hadn't built up enough nerve to try that again."

Then one day a tiny gadget arrived in the mail.

It was a tension regulator, or bobbin—quite like the tension on a sewing machine. With the help of the regulator she could hold the yarn—something she hadn't been able to do before.

"And I began to crochet again for the first time since the accident," Billie said. "It was a wonderful feeling."

That was in February, and Billie's fame as a crochet expert spread through the FW plant. She spends most of her lunch hour adding inches to the current project.

That's how she got started making blouses. Billie first made one of cotton and metallic thread in a complicated shell pattern.

"One of the girls tried it on. Then she wanted to buy it," said Billie. "From that, the word spread."

Since February, when she made the first, Billie has completed 17 blouses!

Billie makes all the clothes for her two daughters; as well as sport shirts for her sons and her own clothes.

A disabled person? Billie made her choice. And makes it work.

EXECUTIVES ROTATE

Two executive development assignments were announced this month at Convair San Diego. D. L. Johnson will be acting chief of manufacturing planning and methods at Plant 2 through Sept. 8, while T. C. Tudor, material control general supervisor, will serve on the staff of D. C. Burrows, division controller.

Spectacular Convair Air Exhibit Selected For Display in Museum

(For picture, see page 5)

Over two million people are expected to see a special display of Convair's Navy products during the coming year as they visit the National Museum of Science and Industry at Chicago.

That's the annual attendance figure at one of the two such museums in the world (the other is in Germany). Convair is showing its wares in conjunction with the Office of Naval Research and is the only aircraft firm in the nation with an exhibit at the museum.

Center of attraction in the huge display are two big (8 x 6-foot) oil paintings created by Steve Paton and Harvey Adams, both of service publications at Convair SD.

Each represents some 120 hours of work and each was completed in a record six-weeks to meet an exhibit deadline. Because of space limitations at the plant, the paintings were completed at the homes of the artists.

Titled "triple threat warfare," the paintings show three types of Convair-built aircraft (R3Y-2 "bowloader," XF2Y-1 "Sea Dart," XFY-1 "Pogo") in action. One scene is at a forward supply base, while the other is an actual assault on an enemy beach.

In addition to the paintings, two giant blow-ups of the "Pogo" and "Sea-Dart" are shown as well as a working model of the "bow loader."

The exhibit is booked in the museum for an "indefinite period" but will probably be shown well into 1956.

Amateur Wire Repair Job Nearly Causes Serious Accident at FW

(For picture, see page 5)

An "amateur electrician" almost caused a fatal accident at Convair Fort Worth recently.

W. E. Alexander and C. E. Bolin, both Dept. 81, were atop a 26-foot fixture near the north end of the FW plant. Alexander held an electric drill motor as Bolin plugged in the power cord.

"Alexander seemed to crumple and was about to fall," Bolin recalled. "I unplugged the cord and caught him just in time. . . . "

Evidently, some unidentified amateur had tried to make repairs on the cord, because the wires were exchanged, sending 110 volts through Alexander's body.

"Without fast thinking and acting by Bolin, we might have had a very serious accident," Fred Temple, FW safety engineering supervisor, commented. "Sometimes employees try to be helpful by doing their own repairs without calling in electrical maintenance. In the long run it is better—and safer—to leave those jobs to professional electricians."

ENGINEERING DEPT

"If you fellows would fill out your time cards properly, I wouldn't have to do all this erasing."

College Professors Serve in Summer Period at Convair FW

(For picture, see page 5)

Eleven college professors will return to their schools early in September after a three-month tour of duty at Convair Fort Worth.

From 10 colleges and universities, the men worked at Convair for two principal reasons: to give Convair an assist in its heavy engineering load; and to give themselves an inside look at engineering at work in the aircraft industry today.

As an expression of appreciation for their work, the company honored them at a dinner Aug. 11 at Ridglea Country Club. Manager August C. Esenwein expressed Convair's thanks for their efforts. Chief Engineer Frank Davis was master of ceremonies.

Also on hand were 26 key Convair engineers.

Guests of honor were: E. E. Maser, Louisiana State University; J. F. Andrews, University of Arkansas; C. H. Bernard, Texas A&M; C. A. Peyronnin, Tulane University; Dr. Albert Newhouse and Martin Wright, University of Houston; Dr. L. A. Colquitt, Texas Christian University.

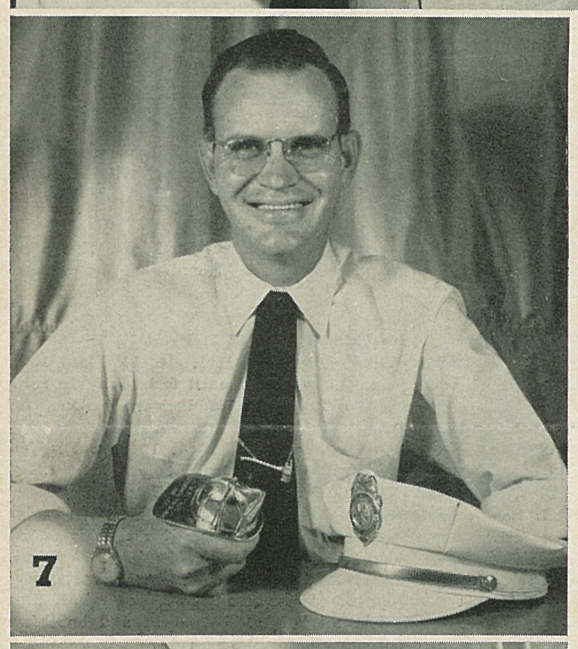
Dr. H. G. Schwetman, Baylor University; Dr. H. H. Korst, University of Illinois; J. D. Matheny, University of Texas; Dr. T. J. Parmley, University of Utah.

Convair FW Men Help Teach Fire Course

Three Convair FW men were instructors and nine were students during the annual firemen's training school last month at Texas A & M.

Faculty members included C. H. Jones, Convair fire chief; R. Y. Lane, safety engineer; and Mason Lankford of process control, head of Tarrant County volunteer fire fighters.

Other Convair men attending were: D. W. Priddy, Dept. 29; W. M. Moseley, Dept. 31; E. D. Mullinex, Dept. 63, from White Settlement. From River Oaks, A. T. Huffhines, Dept. 25; W. M. Frye, Dept. 24; L. A. Bowser, Dept. 25. Representing Lake Worth: Neal Laverty, Dept. 29 and Don Oglesby, Dept. 30; and E. L. Pinkerton, Dept. 64, from Forest Hill.



(1) Convair Fort Worth Management Club men are shown planning for National Association of Foremen convention set for Sept. 28-30 in Fort Worth. Left to right: Larry Hayes, Loyd Turner, Wes Magnuson, with George Symm standing. Magnuson heads planning council and Turner is convention co-chairman.

(2) Directors of Canadair Limited, General Dynamics Corporation's plane-building subsidiary north of the border, met far from home last month, convening at Electric Boat Division shipyard in Groton, Conn. In center is John Jay Hopkins, Canadair board chairman as well as chairman and president of General Dynamics. Left to right: Earl D. Johnson, Adelard Raymond, Clifton M. Miller, Lawrence B. Richardson, Otto Marx, Allen D. Marshall, Lambert J. Gross, Hopkins, Roger I. Harris, James F. Tooley, J. Geoffrey Notman, John Urwin, Frank S. McGill, Frank Pace, George W. Codrington and O. Pomeroy Robinson Jr.

(3) Howard Golem, Convair director of procurement, received his 25-year pin recently. At ceremony, left to right: R. H. Biron, vice president-administration; J. V. Naish, executive vice president; Golem; W. K. Jacks, assistant to Biron.

(4) "Award of excellence" won by Convairiety in national competition is presented by Gen. Joseph T. McNarney, right, president of Convair, to Logan Jenkins, editor, who accepted on behalf of staffs at Fort Worth and Pomona as well as San Diego. The general praised Convairiety's contribution to Convair and spoke highly of its editorial quality.

(5) Photo was taken during "Youth Wants to Know" TV program, sponsored by General Dynamics Corporation. Fittingly, first two weeks of sponsorship dealt with peacetime uses of atomic energy. Program was filmed in Geneva, Switzerland, during international atom conference. The program regularly features questioning by teenagers of various leaders in government, science, industry, etc. In San Diego it is carried over Channel 10.

(6) Charles F. Horne, Convair Pomona manager, second from right, congratulates Lt. Henry E. Davies, USN, after latter takes command of U. S. Navy Guided Missiles School at Pomona. At left is Capt. F. C. Manville, USN, Naval Inspector of Ordnance, Pomona, and second from left is John Evans, Pomona businessman.

(7) W. M. Frye of FW tooling displays bronze fireman's helmet given him as Fireman of Month. He was named for his work with River Oaks volunteer department.

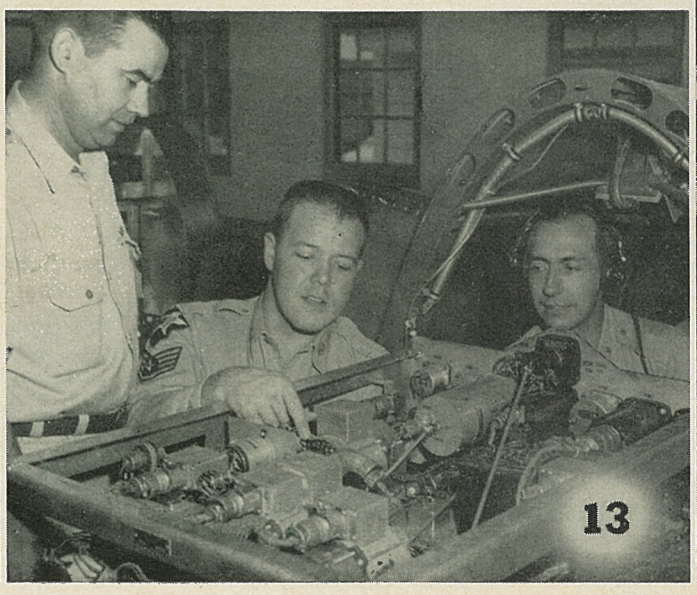
(8) Honored at a get-acquainted dinner at Ridglea Country Club, Fort Worth, were these college professors who are working with Convair FW this summer as part of a new program.

(9) W. E. Alexander, right, of Dept. 81 FW, examines electric cord that nearly cost him a 26-foot fall from fixture in rear. Incorrectly wired cord shocked him as he plugged it in, but C. Bolin, working with him, quickly unplugged it and caught Alexander before he fell.

(10) and (11) Harvey Adams and Steve Paton, illustrators in SD service publications, work on oil paintings which tell story of Convair planes for Navy. They will hang in National Museum of Science and Industry in Chicago.

(12) Last T-29D goes to field operations and this was occasion for a party at San Diego's compass rose.

(13) On two-week active tour with 448th Fighter Bomber Wing at Grand Prairie, Tex., are these Convair men: Maj. Glenn D. Schneider, right, S/Sgt. Carl E. Rucker, center, and Capt. Gerald D. Radtke.



Rivets

Next month **Walter Low** of Dept. 252 will complete 15 years with Convair. Although worthy of attention, this is not unique. The ranks of 15-year veterans in Convair are growing steadily. But we wonder how many can say—as Low can—that the 15 years have been completed without an absence or ever being late to the job?

* * *

Eddie Speed, 11-year-old son of **John Speed** of Dept. 522 SD and **Mrs. Gladys Speed,** Dept. 9, has our profound sympathies.

While playing baseball at school Eddie failed to dodge the business end of a bat in time and lost four front teeth. After a painful period of healing and being fitted for replacements the new teeth were finally installed and to celebrate Eddie went swimming.

Sometime that evening the teeth disappeared and even though the pool was drained in the search they still are missing!

Come to think of it, his father has our sympathies, too.

* * *

Convair's **J. F. (Skeets) Coleman,** XFY-1 pilot who won the Harmon International Aviation Award for 1955, is now on display in the Smithsonian Institution. The National Air Museum recently wrote **Convairiety** for his picture, to be displayed with previous winners of the award.

* * *

Recently when **Gen. Joseph T. McNarney** called **Logan Jenkins, Convairiety** editor, to his office to congratulate the paper's staff on receiving some current awards, he couldn't have picked a more appropriate day. By coincidence it was Jenkins' birthday.

* * *

When the new Grossmont Hospital was dedicated last month, there was at least one Convair man who could register considerable personal satisfaction on a long and difficult task successfully performed.

He is **Raymond D. Tuttle,** manufacturing control foreman in Dept. 522-2, who was instrumental in forming the original group back in 1947 whose efforts eventually brought about the existence of the new hospital. Later he was vice president of the Grossmont Hospital Association.

Convair Lads Receive Scout Troop Charter

Boy Scout Troop No. 549, composed mainly of Convair SD sons, received its official charter last week from the Boy Scouts of America.

The new troop, sponsored by the Pacific Beach Kiwanis Club, has a roster of about a dozen boys at present and has places for more. Assistant scoutmaster is Fred Rathmann of Dept. 350-1 SD, second shift, himself a veteran of 25 years in scouting. Those interested in joining the troop may call him at HU 8-1645.

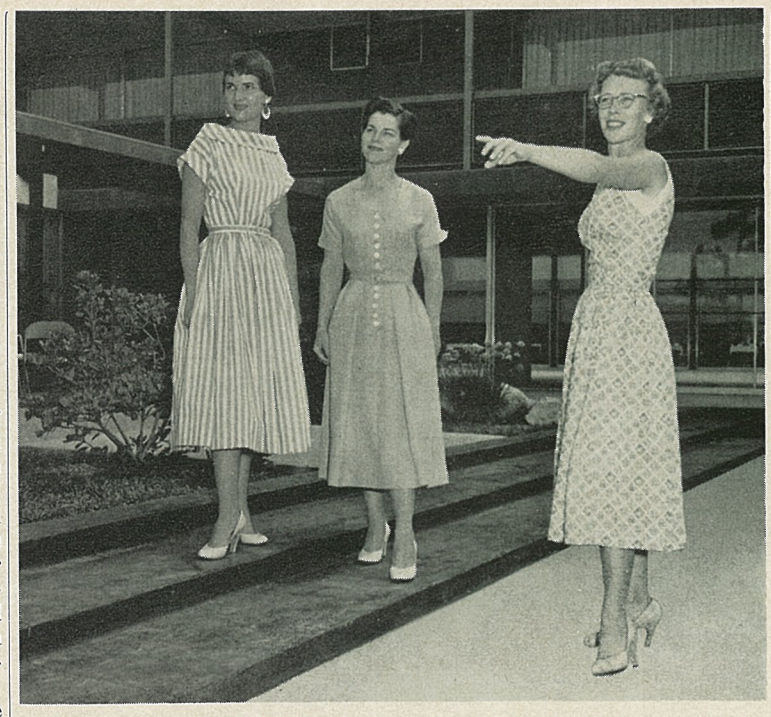
Industrial Radiography Course Will Start

"Advanced Industrial Radiography" will be offered as a special course during the fall school term by the University of California extension service.

Class sessions will be from 7:30 until 10 p.m. each Wednesday at Solar Aircraft Auditorium, San Diego, beginning Sept. 18 and continuing for 18 weeks.

Magazine Tells Story Of Convair-Liner

An American Airlines Convair-Liner that came to the aid of a lost Air Force jet and guided it to a safe landing in bad weather (**Convairiety,** Nov. 6, 1954) was the subject for a two page story in American Weekly this month. Henry Morgan, Convair east coast field service engineer reports from Ridgewood, N. J., "this seems to be quite common around here, for only a couple of weeks ago American helped someone out between here and Philadelphia."



CHECKING THE SITE—Jo Ann Jamet, Evelyn Gilger and Kay Osgood inspect patio at Mission Valley Country Club, where Convair women will gather Sept. 6 to see Fall Fashion Show.

Tickets Moving Briskly For Sept. 6 Fashion Show

Ticket sales for CRA's Fall Fashion Show was moving briskly this week with the Sept. 6 event about two weeks away.

Mission Valley Country Club will be the site of the second fashion show staged by CRA. However, the setting has been changed to the patio near the pool to accommodate approximately 1,000 guests, Martha Woodberry, CRA commissioner announced. Show time is 8 p.m.

Jordan Marsh will supply the fashions including casual, dress, cocktail, sports and bridal wear.

Convair girls again will serve as models during the show. Scheduled to appear are Catherine Chase (Dept. 2), Glenys Sears (Dept. 5), Evelyn Gilger (Dept. 31), Mildred Stamper (CAA), Juanita McKee (Dept. 23), Jo Ann Jamet (Navy), Evelyn Lee (Air Force), Joline Jordan (Dept. 6), Stella Wilder (Dept. 70), Betty Jacobson (Dept. 3), Joy Clow (Dept. 524), and Marky Weigley (Dept. 1-41).

Tickets are priced at $1 each and are available at employee services offices at both plants.

Housekeeping Not So Good

Good housekeeping practices reversed themselves at Convair San Diego during July.

Average violations per employee were at a two-year low in June with only .007 reported, while July figures showed an increase to .018 per person. The result was that only three departments posted perfect records in July as compared to five in June.

Experimental led the way with its fifth first-place award for the year. Manufacturing control functions at both Plants 1 and 2 also turned in perfect months.

Fabrication, Plant 1, and electronics, long front runners in the continuing contest, dropped back into the field during July.

	Average Violations per Employee	
	July	June
Experimental	.000	.000
Mfg. Control, Plant 1	.000	.027
Mfg. Control, Plant 2	.000	.000
Fabrication, Plant 2	.002	.001
Tool Mfg., Plant 2	.004	.003
F-102 Major	.008	.010
F-102 Final	.009	.001
Fabrication, Plant 1	.010	.000
340 Major & Final	.020	.005
Electronics	.022	.000
Plant Engineering	.023	.016
Tool Mfg., Plant 1	.037	.002
R3Y Major & Final, F-102 Comp.	.067	.015
Material	.071	.025
Field Operations	.088	.000

Single-Place Plane Earns Show Awards

A one-place airplane, designed and built by a group of Convair SD men as a private venture, completed a round trip flight to Milwaukee early this month where it earned two awards.

Walt Mooney (Dept. 6) piloted the "Honey Bee" (**Convairiety,** July 30, 1952) to the annual fly-in held by the Experimental Aircraft Assn. Aug. 5-6-7 at Milwaukee. The airplane took first for the aircraft having flown the greatest distance and won the Mechanics Illustrated award for the best designed amateur built airplane.

Mooney flew the eastern leg of the trip in three days with overnight stops at El Paso and Pittsburg, Kan. Total flying time for the 2,000-mile trip was 21 hours. He made the return trip in 19 hours.

FUNDS SOUGHT FOR MITSCHER PLAQUE

Following designation of the flying field at Naval Air Station, Miramar, as "Mitscher Field" in honor of the late Admiral Marc A. Mitscher, funds are being raised toward a suitable plaque to mark the location.

Friends and former shipmates of the distinguished Naval leader may send contributions to Vice Admiral George R. Henderson, USN (Ret), treasurer, Mitscher Memorial Fund, Union-Tribune Publishing Co., 919 Second Avenue, San Diego. It is requested that contributions be limited to $1.

Instrumentation Men Form Section at SD

Three Convair SD men compose the list of officers elected by the recently-formed San Diego Section, Instrumentation Society of America, at an organizational meeting last month.

Cason P. Thompson is president, Fred Thompson, vice president and treasurer, and I. L. LeDuc, secretary. All are from Dept. 6. The group will hold charter presentation ceremonies Sept. 8 at the House of Hospitality, Balboa Park. Convair employees interested in instrumentation work are invited to join the new organization, Cason Thompson said.

"And think of it—only two blocks to the new school!"

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays at 6 p.m., Santa Clara Point, Mission Beach.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1. Clyde Belden, second shift representative. AT-1-4612 after 10 a.m. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Silverado Ballroom, University and Euclid. Mondays: 7 to 9 p.m., high school teen-agers; 9 to 10, adult beginners (Fox Trot, Latin). Tuesdays: 7:30 to 8:30 p.m., beginning ballroom; 8:30 to 9:30, advanced intermediate (Samba and Mambo). Wednesdays: 7:30 to 8:30 p.m., adult beginners (Fox Trot, Latin, Waltz); 8:30 to 9:30, adult (advanced Latin). Thursdays: 7 to 9 p.m., junior high teen-agers; 9 to 10, beginning all Latin.

Juvenile Classes: Saturday mornings, tap, acrobatic, ballet. For information or reservations, contact Mrs. McGrath, AT-2-0975, or Martha Woodberry, ext. 1245, Plant 1.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners. Entries being accepted for winter bowling. Contact either Brooks or Hayman.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meetings second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1451, Plant 1. Rehearsals discontinued until fall.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Meetings discontinued until fall.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg. Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Meetings discontinued during August and September.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 424, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Monthly shoots discontinued until October. Register deer and other big game for drawing, to be held in November, with employee services, either plant.

HORSESHOES—Kurt Klein, commissioner, ext. 1710, Plant 1.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Skating sessions for Convair employees and their families each Thursday at 1 p.m. and 6:30 p.m. at Sonald Ice Skating Studio, 3464 Midway Drive. For further information, call AC-2-4467 or visit studio.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1.

MOVIES—Free movies at CRA Clubhouse discontinued until fall. Bargain rates each Tuesday and Thursday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1 (second shift). Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Aug. 25), 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 313, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults), 7:30 p.m.; Saturday, beginners, 9 a.m. to 1 p.m.; intermediate, 1 to 2 p.m.; advanced, 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations, call Palomar Stables, CY-6-9658.

ROCKHOUNDS—Jack Benedict, commissioner, Mineral Section, ext. 507, Plant 2; (second shift) Dan Whorton, commissioner, Lapidary Section, ext. 426, Plant 1. Mineral identification class each Monday, 7 p.m., Room 11, Conference Bldg., Balboa Park. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Thursdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m., Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee services, both plants.

SKI CLUB—Joe Harris, commissioner, AT-4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 267, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. Call Tom Simpson, HU-8-5923 (after 4 p.m.), for further information.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Intermediates, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave. New beginners' class starts Sept. 13.

STAMP CLUB—Jack Benedict, commissioner. Meetings discontinued until fall.

SWIMMING—Convair swim night for employees and their families, Saturday, Sept. 10, Mission Beach Plunge, 7 to 9:30 p.m.; Gillespie Field Plunge, Sunday, Sept. 4, 10 a.m. to noon. Tickets available at employee services, both plants.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Workshop sessions Tuesdays and Thursdays.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Bargain-rate movies each Tuesday and Thursday at 7 p.m., Rio Theatre, 3721 University Ave., for Convair employees, families and guests. Admission: adults, 25c; children, 12 years and under, 10c.

Thursday, Aug. 25: FIXED BAYONETS, Richard Basehart, Michael O'Shea. CROSSED SWORDS, Errol Flynn, Gina Lollobrigida.

Tuesday, Aug. 30: KNOCK ON WOOD, Danny Kaye. PRISONER OF WAR, Ronald Reagan.

Thursday, Sept. 1: LIVING IT UP, Dean Martin, Jerry Lewis. GREAT DIAMOND ROBBERY, Red Skelton.

Tuesday, Sept. 6: FIGHTING SEA BEES, John Wayne. WAKE OF THE RED WITCH, John Wayne.

CRA Sports & Recreation Convairiety

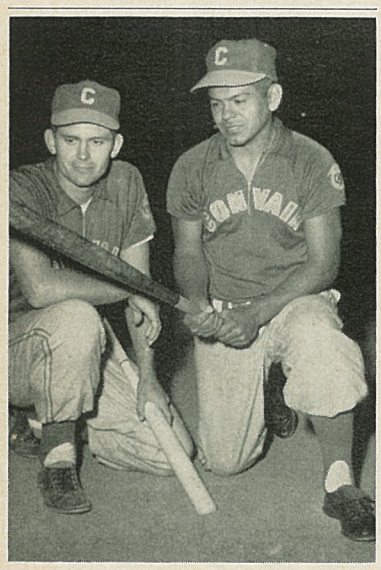
Winners Still in Doubt as Plant Softball Nears Final Stages

Don't bet on it, but a couple of favorites have emerged from hectic plant league softball competition at Convair San Diego and last week looked like the teams to go into the first of a two-of-three play-off series Aug. 29.

In the National loop Dept. 522 with only a tie game with Dept. 110 to mar its records had two games to win to be in. One was a game against a Dept. 55 club which has failed to appear in its last four games and the other is a Friday (Aug. 26) game with an unpredictable Dept. 215 nine. In other games, second-place Dept. 70 takes on Dept. 406 in a feature game Friday.

While Mockup led the American league, it had a tough hurdle in second-place Dept. 8 in a game played Monday night (Aug. 22). A Dept. 8 victory would clinch the title for the industrial engineers.

First play-off game is set for 8 p.m. Aug. 29 at Convair Field, while the second will be played at the same time Aug. 31. A third game, if necessary, will be played Sept. 2 at Presidio.



IN TOURNEY — Al Hooper, left, and Tom Martinez of Convair SD Eagles compare their bats as team prepares to enter Southern California softball eliminations.

Convair Eagles to Enter Tournament

Convair San Diego will send its Eagles softball team into action Sept. 2-3-4-5 in the Southern California regional tournament of the American Softball Association to be held this year at La Mesa.

The annual tournament is expected to draw top nines from throughout Southern California with the winner representing the region in competition at Phoenix, Ariz., in September.

Williamson, Schnaubelt Win in Rifle Events

Joe Williamson and Herold Schnaubelt won big bore rifle events at the Aug. 7 Convair SD Gun Club shoot held at Valley Gun Club. Bill Kemper won the scope rifle division in the deer target class, while W. Walker and Bill Dittmann tied for second.

Frank Kemper took top trap honors with Doyle Hayworth winning the skeet event and C. "Red" Pharis copping the novelty doubles event.

Convair Ball Team At Edwards Unbeaten

Softball fortunes of at least one Convair group continued to run smoothly this week. They are the "F-102s" representing Convair's operations at Edwards Air Force Base.

The F-102s have won six straight in the Palmdale-Lancaster AAU league and lead the loop. Wins were scored over NACA (7-1), Lockheed (7-6), Mojave (7-1), North American (9-1), Northrop (4-3), and NACA (9-8).

Exhibition games have been arranged with Bakersfield, Tehachapi and San Bernardino for the near future. Meanwhile, the F-102s have challenged plant league winners at both Convair San Diego and Pomona.

KING CLIPS PAR TO WIN SWEEPS

Art King fired a creditable two under par 70 Aug. 6-7 to win the Convair SD Golf Club sweepstakes event held at Agua Caliente. B. Larman and Phil Parker tied for low net honors in the top flight.

John Higdon's 76 was good for gross honors in the 13-18 handicap group, while H. Erbe and J. Pearl tied for gross in the 19-24 group with 88s and O. G. Downs won the 25 and up group with a 97.

Blind bogey winners were L. Gridley, George Hasti, Nick Nicklaus and Tony Meziere.

Gun Club Revived at Edwards and Palmdale

Convair people at Edwards Air Force Base and Palmdale have revived their section of the Convair Gun Club and will resume activities with a shoot Sunday (Aug. 28).

An organizational meeting was held at Alex's Valley Club in Lancaster Aug. 14 with 23 attending.

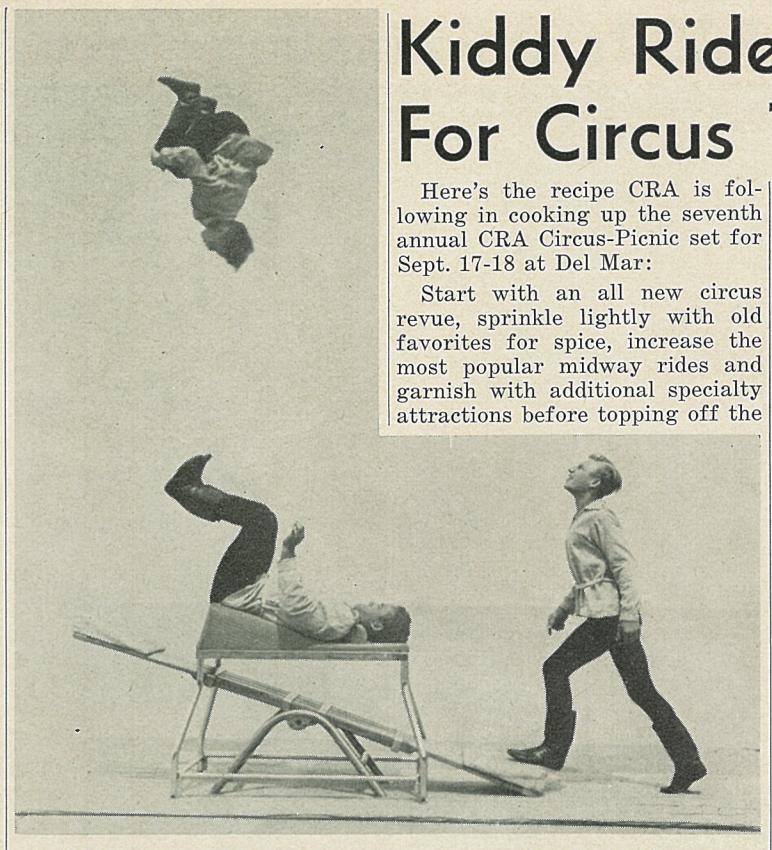
The Aug. 28 shoot will be at the Fin and Feather Gun Club, Palmdale, beginning at 9 a.m. Events will be held for men, women and juniors in both trap and rifle. Prizes will be awarded in each class.

Larry Failor of Edwards and Bob Merwin of Palmdale are cosponsoring the reorganization of the club.

Dittmann Close to Record in Gun Win

Bill Dittmann was only two points below the CRA Pistol Club record of 297 when he won the August shoot of that group at San Diego Police Range early this month.

Tom Little won the short National with J. R. Oliver, Dittmann and Joe Williamson finishing in that order. Jake Nerlinger took second behind Dittmann in the police event with Fay Smith and Ralph Benson placing third and fourth.



THINGS TO COME—The Monohans, top billed tumbling team, show off a trick or two here as they drill for acts at CRA Circus-Picnic Sept. 17 and 18 at Del Mar.

Kiddy Rides Doubled For Circus This Year

Here's the recipe CRA is following in cooking up the seventh annual CRA Circus-Picnic set for Sept. 17-18 at Del Mar:

Start with an all new circus revue, sprinkle lightly with old favorites for spice, increase the most popular midway rides and garnish with additional specialty attractions before topping off the day with a big array of door prizes for youngsters and adults.

CRA's BIG event of the year will again be produced and directed by "Carolina" and Jo Brunson of Hollywood who have worked for the past year in scheduling only the best acts. Rookie Lewis will be on hand again as master of ceremonies and several of the favorite clowns of past years also will be present, along with new additions.

"We feel this will be one of the finest revues ever produced from this office," Brunson said. "There is everything in the show people would have to pay top price to see elsewhere."

The midway opens at 10:30 a.m. each day and will include two big ferris wheels, a mix-up, a fly-o-plane, a merry-go-round, and a tilt o' wheel. Just twice as many attractions as in 1954! Of course, there are live pony rides (six of them) and seven kiddie rides, plus an assortment of trains, fire trucks, etc.

Adult prizes will include a wide array again this year instead of only one or two big prizes.

"In giving a number of prizes, more people will have a chance," said CRA President Larry Roth. "Our selection this year includes items of general value to both men and women."

In addition to the adult prizes, kiddies again will have their own drawing. Following a successful plan established last year, CRA has designated Sept. 17 as "kids day" and will award additional prizes to youngsters on that day. Drawing tickets will be passed out to all employees in the form of tab cards, while kids will be given tickets at the entrance.

Four Convair SD Sons Playing In Little League World Series

Four Convair San Diego sons were in Williamsport, Pa., this week for the dream of a lifetime for a pre-teen age boy—competition in the Little League World Series, Aug. 22 through 26.

The youngsters are members of the victorious North Shore team of San Diego which swept local competition and then won over teams representing eight states and Alaska.

Here are the names of the youngsters and their fathers plus a slight record of their accomplishments in nine play-off games which earned them the Williamsport trip:

Willie Meyers (John M. Meyers of Dept. 72) plays second base, batted .269 in the play-offs, including four home runs;

John Hayward (Robert Lee Hayward of Dept. 6) plays shortstop, hit .227 for the series with one homer. He and Meyers worked at least one double play in each game;

Bucky Mitchell (Charles C. Mitchell of Dept. 522-7) plays left field, and collected two hits in five times at bat for .400 series average;

Davie Rodriguez (D. C. Rodriguez of Dept. 6) is a pitcher, won all four games he pitched, one was a no-hit, no-run game, batted .250 for the series, including one home run.

Nimrods Reminded To Register Game

Convair nimrods hunting in areas other than San Diego County were reminded this week that their big game kill can be entered in the 1955 CRA big game contest.

Any legal big game kill is eligible to enter, providing a contest card has been filled out and filed with CRA. Cards are available at employee services offices at both plants.

Final Call Sounded for Keglers Intending To Bowl in CRA Winter Competition at SD

Final call for keglers interested in entering CRA winter league competition at Convair San Diego went out this week from Commissioners Mike Brooks and Jim Hayman.

Mixed handicap leagues are set for Tuesday, Wednesday, Thursday and possibly Friday nights. These loops will be organized Friday (Aug. 26) at a 7 p.m. meeting to be held at Pacific Recreation.

An 850 scratch league and a 775 handicap (40 pin maximum) loop will roll on Friday nights.

All competition starts the first full week in September. Keglers who have not signed up may contact Hayman at ext. 1670, Plant 1, or Brooks at ext. 454, Plant 2.

First Round Played In Yater Memorial

Convair golfers teed off over the week-end (Aug. 20-21) in the first round of the second annual Charles Yater Memorial Golf Tournament at La Jolla. Second round in the 36-hole medal play event will be Aug. 27-28 at Agua Caliente.

CHAMPIONS—These 14 and under lads representing CRA at Convair San Diego finished first in the San Diego National League during summer play, with a 13-2 record. They lost play-off to American League team in final inning by a score of 12-10. It was first year CRA has sponsored team for boys above Little League age. Pete Beyrer, back row, left, was manager.

YANKEES WINNERS IN LITTLE LEAGUE

True to prediction and despite a loss to the second-place Dodgers, the Yankees last week emerged as champions of the Convair San Diego Little League.

Winners of the first round of play, the Yanks also copped the second half, even after losing 5-2 to the Dodgers, to eliminate need for a playoff to determine the winner.

Women's Net Title At Stake Saturday

The girls take the tennis spotlight this week-end at Convair SD for the annual CRA women's singles championship tournament set for Saturday (Aug. 27) and Sunday at Morley Field.

Entries for the event must be filed by 4:30 p.m. Friday (Aug. 26). To enter, mail or phone your entries to Commissioner Chet Dutton, Room 100, Bldg. 19, ext. 1287.

September Moonlight Ride Dropped at SD

The full moon and Labor Day got together this year, so Convair SD Riding Club members will not hold their monthly moonlight ride in September.

The club schedules its night rides to coincide with the full of the moon. However, September's full moon period falls over the Labor Day weekend, always reserved for personal trips rather than club functions.

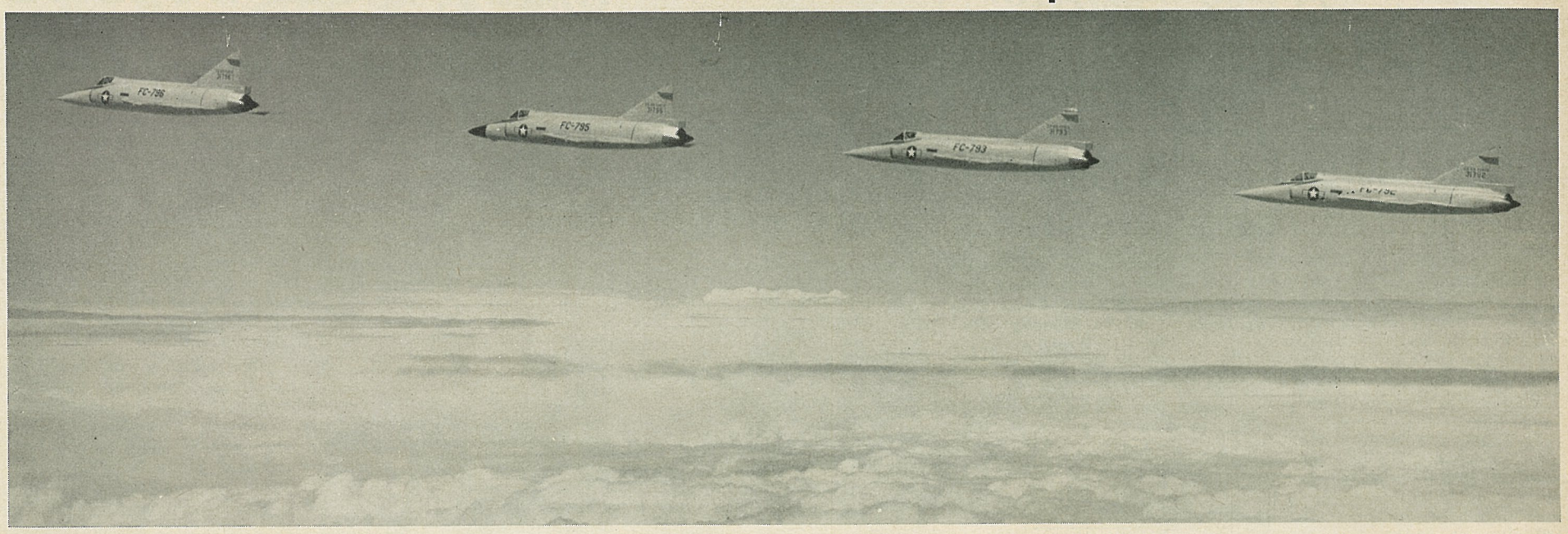
Next business meeting and "pot luck" supper will be held Sept. 10 at Palomar Stables starting at 6:30 p.m.

CRA Will Help Pay Tennis Entry Fees

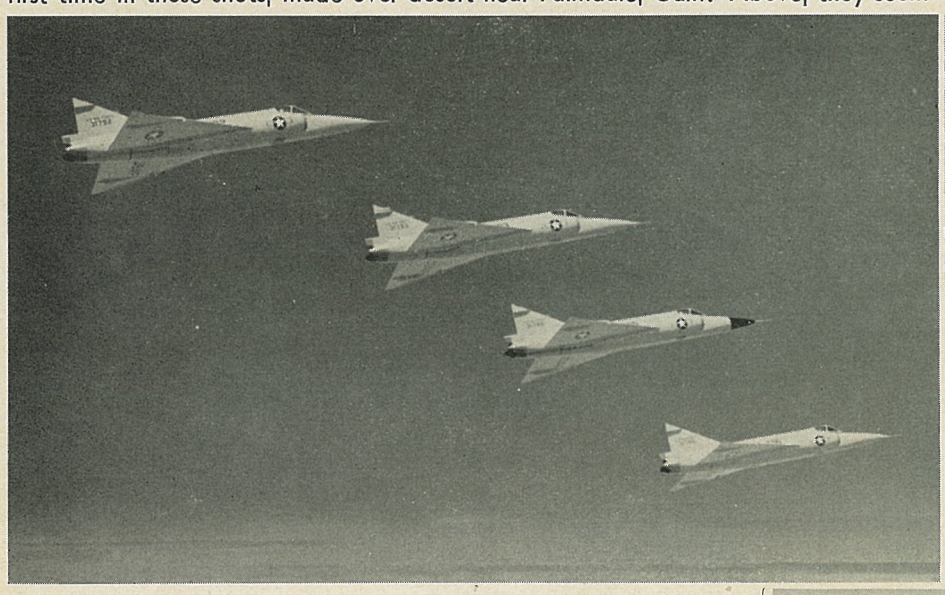
CRA will underwrite half of the entry fee required of Convair SD tennis players interested in entering the 1955 Industrial Tennis Tournament set for Sept. 24-25 and Oct. 1-2, Commissioner Chet Dutton said this week.

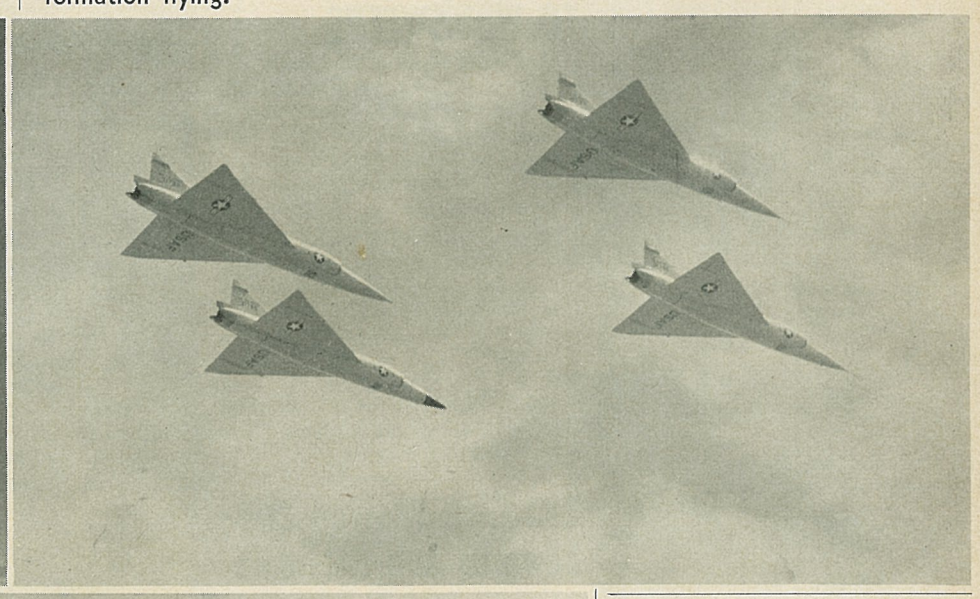
The full fee is $2 for singles and $1.50 per person for doubles (of which CRA will pay half).

Four Convair F-102s in Formation Make an Impressive Aerial Picture



PRECISION ALOFT—Four F-102 interceptors are photographed together for the first time in these shots, made over desert near Palmdale, Calif. Above, they seem to be "following the leader," while below they close in for an impressive bit of formation flying.





SD Pilots Assigned to 102 Production Flying

Fifty pilots so far have been checked out in the F-102 interceptor.

Of these, a dozen are Convair flyers. This includes five currently assigned to production flight at San Diego and Palmdale.

First to fly the 102, on Oct. 24, 1953, was SD's R. L. Johnson. Latest Convair pilot to be checked out is B. A. Erickson, head of flight at Fort Worth, who had his first hop July 29 of this year.

Production pilots now include W. B. Harwell, SD manager of production flight; W. J. Martin, SD chief pilot; Rex Warden, R. E. Myrann, H. B. Henderson. Warden, who has been with Convair about a year and a half, is a former Air Force jet pilot. So is Myrann, who had two fighter tours in Korea. Henderson, a former Navy jet flyer who retains a Naval Reserve commission, is the only Navy officer so far to fly the F-102.

Other Convair men checked out in the F-102 include Sam Shannon, veteran of many Convair triumphs and the first man to fly a delta wing; A. B. Treffer and J. W. Knebel (who were trained as production pilots but are now in experimental flight); M. C. Terry and J. M. Fitzpatrick (also in experimental flight).

Approximately 30 Air Force officers have flown the F-102, headed by Maj. Gen. A. Boyd. Others include Col. J. F. McCarthy, AF plant representative at SD; Capt. D. R. Butterfield, chief of flight test and acceptance branch at SD; Brig. Gen. J. S. Holtoner; and Brig. Gen. C. A. Shoop, who heads flight test for Hughes Aircraft Co. (Five other Hughes airmen have checked out in the interceptor: R. M. DeHaven, W. T. Stratton, C. A. McDaniel, J. J. O'Reilly, O. E. Deal.)

Three or four flights generally are sufficient to check out an experienced jet pilot, Chief Pilot Martin reported.

"If necessary, we hold a refresher session and short ground school in advance," Martin said, "followed by cockpit check. On check flights it is common for the instructor to be in the radio tower in direct voice communication with the pilot in the air."

Martin said that pilots agree that it is a "very straight forward" airplane to fly, though they are impressed by its "tremendous performance and climbing speed."

F-102 Aids Erickson In Plans For B-58

B. A. Erickson, Convair Fort Worth manager of flight, had this to say this week upon returning from Edwards Air Force Base, where he was checked out in the F-102:

"The F-102 is really terrific. Its performance is most impressive and it's easy to handle. I found it a real pleasure."

Erickson's mission was to take advantage of the F-102 experience for what it may lend to Fort Worth's design and production of the B-58 supersonic bomber.

Air Force Officers Leave After Year Studying Convair FW

Two Air Force officers who spent a year learning inside operations at Convair Fort Worth left for new assignments this month.

They are Lt. Col. D. E. Sowle and Maj. D. E. McIntyre.

Both officers spent a year at Convair studying operations in all departments as part of an Air Force Institute of Technology program.

Col. Sowle will leave for Spain Air Materiel Area, Madrid, Spain, this month for a three-year tour of duty. He will be attached to SPAMA headquarters.

Maj. McIntyre will be re-assigned to the Inspector General's office at San Bernardino, Calif., in procurement inspection work.

"ON LOCATION"—Pictured at Palmdale is Convair SD production flight team, all qualified F-102 pilots. Left to right: W. B. Harwell, Bob Myrann, Harry Henderson, Rex Warden, Bill Martin.

B-36 Gets Engine Change, Repairs In Fast 'One-Stop' Service at FW

Development field operations crews at Convair Fort Worth qualified as "quick change artists" this month.

They worked round-the-clock to change a B-36 engine, make repairs on three other engines, and get the plane on its way—in a period of less than 24 hours.

The B-36, based at Holloman Air Development Center on a classified project, arrived at Convair at 6:30 p.m. July 29.

Engine change started immediately. By 10:30 a.m. July 30, the new engine was installed, ground runs made and the plane accepted.

By 3:30 p.m., complete preflight was finished and the plane released to Jack Baldridge, pilot.

And at 4:45 p.m. the plane took off for Holloman to complete the tests.

Second shift crews stayed with the plane until first shift came on.

"We didn't set a new record," said Dick Dodd, superintendent of development field operations, "but we can certainly be proud of the job that was done."

Campfire Permits Now Available at SD

Free campfire permits for use in National Forests are now available at employee services offices at Convair San Diego's Plant 1. Regulations prohibit building fires in National Forests of California without such permits.

"Then the motion is passed without a dissenting vote."

FW Men Drill in Area Defense

(For picture, see page 5)

Some 31 Convair FW men last month were among 600 reservists on two weeks' active duty as the 448th Fighter Bomber Wing at Hensley Air Reserve Flying Center, Grand Prairie, Tex., trained for the defense of Fort Worth and Dallas.

Both reservists and Convair were commended by Brig. Gen. Jerry W. Davidson who said:

"We appreciate the enthusiasm of these men who spend their spare time (one weekend a month and two weeks in the summer) training for our mission.

"We also realize that these men are members of Convair's own vital organization, and that their absence puts an extra burden on Convair."

The men from Convair Fort Worth were: Maj. Glenn D. Schneider, Capt. James C. Battenfield, Capt. Gerald G. Radtke, Capt. William T. Allen, 1st Lt. William G. Enmon, 1st Lt. James L. Ott, 1st Lt. Henry T. Hargis, Capt. Charles M. Van Artsdalen, Capt. Wayne A. Hilton, M/Sgt. Horace R. Young, M/Sgt. Douglas A. Mullican.

T/Sgt. George Papusch, T/Sgt. Robert C. McFadden, S/Sgt. Thomas C. McBay, S/Sgt. Wesley A. Breedlove Jr., S/Sgt. Carl E. Rucker, S/Sgt. Gerald F. Ferguson, S/Sgt. John C. McFerrin, S/Sgt. James R. Hanson.

And S/Sgt. Clement J. Chamberlain, S/Sgt. William J. Bayless, S/Sgt. Ernest L. Weldon Jr., S/Sgt. Clayton L. Davis Jr., A/1c Billy G. West, A/2c Rolando Ingram, A/2c Jack McCleskey, A/3c Samuel R. Moore, A/3c Joe W. Penninger, A/3c William W. Hall, A/3c John H. Park Jr., A/B Robert M. E. Prindle.

Hopkins Foresees Vigorous Growth

Outlook for General Dynamics Corporation is one of "continual and vigorous growth," John Jay Hopkins, president and board chairman, wrote this month in his semi-annual report to share owners.

"Net sales continue at an annual rate of over $600 million," he reported. "Consolidated backlog of unfilled orders at June 30, 1955, based on firm orders, contracts and letters of intent, was estimated at $1 billion 124 million and contracts under negotiation on that date approximated an additional $800 million."

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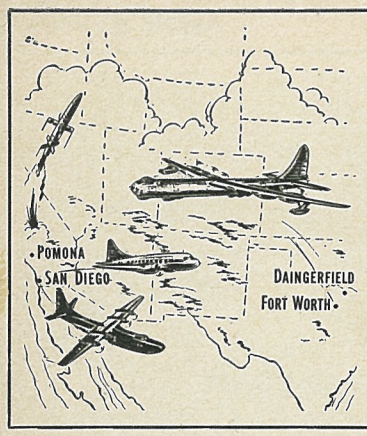

Convairiety

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SAN DIEGO, CALIF. POMONA, CALIF. DAINGERFIELD, TEX. FORT WORTH, TEX.

Vol. 7, No. 17 Wednesday, August 25, 1954

San Diego

EDITION

San Diego Division news office: Building 32, ext. 1071.

Pomona Division news office: Room K222, Bldg. 2, ext. 6226. If no answer call ext. 6278.

HEADING SOUTH—Convair XFY-1, built for Navy, shown heading down Silver Strand, en route to Brown Naval Auxiliary Air Station. Hotel del Coronado is in background. Sensational airplane returned to San Diego by surface ship from San Francisco where it had undergone first flight tests.

Rivets

R. A. Berman of Dept. 72 at Plant 2 has about as odd a hobby as we ever encountered.

He's an interpreter for student bullfighters.

Berman says he has been an afficionado for many years and regularly on Saturdays visits the ring at Tijuana where would-be matadors, torreadors and picadors, including a number of girls from Los Angeles, take lessons. Berman interprets for those who do not speak Spanish. The class is without charge, he says, sponsored by a booster organization for bull fighting.

* * *

Congratulations to **Leslie Carle** of Dept. 407 at SD and **Mrs. Carle** who will celebrate their 50th wedding anniversary Sept. 12.

* * *

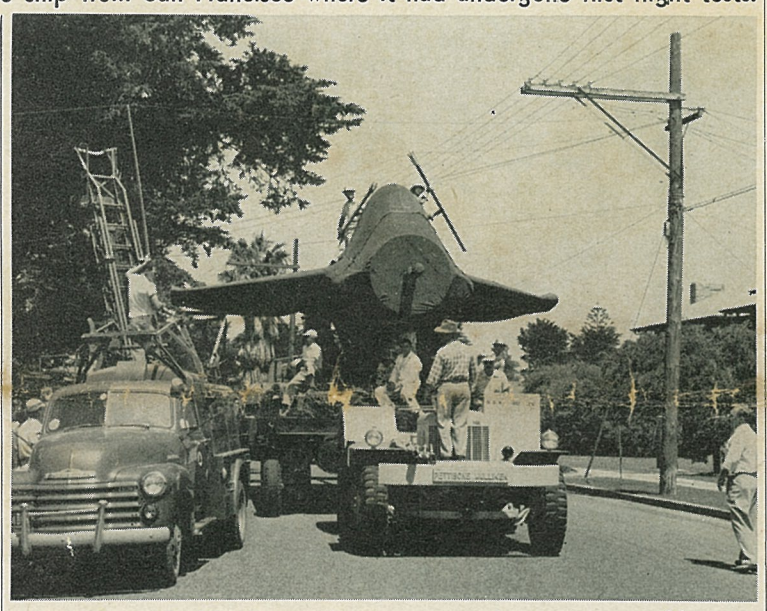
When SD's **C. Z. (Dad) Sheppherd,** recently turned 86, appeared on a TV program "You're Never Too Old," he received a phone call from a man he hadn't seen in 15 years, one **"Mac" McGinnis,** once in tooling at San Diego.

Incidentally, it was McGinnis who started Dad on the collection of trinkets with which he decorates his cowboy vest, worn on special occasions. At a company picnic Mac presented him with a cowboy hat and a badge. From then on Dad collected items here and there—each one with a definite history which he can relate—until now he's running out of "vest space."

* * *

Lillian Deeks of Dept. 45 SD deserves a medal for being the most considerate driver of fellow Convair riders we ever encountered. When she went on vacation she loaned her car to the five who regularly ride with her!

(Continued on Page 2)



DUCK, PLEASE—Power lines presented a minor problem as XFY-1 moved through streets of Coronado. Plane gets an assist in this picture.

Annual CRA Circus-Picnic Less Than Month Away

CRA's annual Circus-Picnic at Convair-SD is just around the corner and planners of the event this week indicated a big time is in store for youngsters of all ages.

Sept. 18-19 is the date and Del Mar Fairgrounds the place.

Special emphasis is being placed on youngsters Saturday with that date proclaimed "Kids Day." In addition to the regular rides, the Circus Revue and free gifts for youngsters, special bonus prizes will be awarded kids on Saturday only, said CRA President Gil Crosthwaite.

Adults can look forward to a big prize list on both days this year with such items as outboard motors, saddles, shotguns, Polaroid cameras, patio furniture, watches, barbecue sets, and tents scheduled as door prizes each day. Free bicycles for the kids will also be awarded each day.

"There will be the usual assortment of rides, special features and shows and free gifts for the kids both days," Crosthwaite said. "In addition, we are adding some rides for older children this year."

Rookie Lewis will make his fourth appearance as master of ceremony for the Circus Revue each afternoon. Benny LaGasse and his Convair Circus Band will provide the music for the hour

(Continued on Page 2)

AF Will Get Fleet of New Model 340s

Latest customer to join the ranks of Convair-Liner Model 340 users is the United States Air Force which this month revealed it had ordered 33 twin-engine transports from Convair.

The new aircraft will carry the military designation C-131D and is to be used in the Air Force's domestic transportation service.

Deliveries will start soon under the terms of the original 13 million dollar contract which called for 21 planes. All planes, including 12 additional aircraft covered by a seven million dollar contract, are to be delivered by April, 1955.

An Air Force Contract Technical Compliance (C-T-C) Board convened at Convair SD Aug. 19-20 for an inspection of the C-131D as both an executive aircraft and as a standard transport with passenger-type seats.

Lt. Col. H. Kennedy Jr. of Air Materiel Command was chairman of the board which included representatives from various commands of the Air Force and civilian government organization.

The new C-131D will join an impressive fleet of Air Force airplanes based on the design of the famed Convair-Liners, including the T-29 series of navigator-bombardier trainers, the C-131A hospital air evacuation transport, the new C-131B electronic test bed and the C-131C turboprop transport now undergoing flight tests.

Almost 400 Convair-Liners have been bought by domestic and foreign airlines for regularly scheduled commercial operation throughout the free world.

Quality Control Gains Traced

"On the quality of our aircraft will depend much of this nation's ability to withstand the great stresses and strains of international relations," Gen. Joseph T. McNarney, president of Convair, told a gathering of quality control experts in San Diego this month.

Speaking before the Joint Conference of the Western Region, American Society for Quality Control, and ASQC's Aircraft Technical Committee, the general said:

"I can remember just a few short years ago when the total

(Continued on Page 3)

Con-Trib Gift To Help Start Polio Center

Con-Trib-Club members at Convair - San Diego this month pledged $10,000 toward the purchase of equipment needed to establish a new Polio Center at Mercy Hospital.

The new Center will be used in the care and treatment of all post-contagious polio patients. It will relieve much of the load on County General Hospital, scene of all polio treatment for the San Diego area in the past, according to J. K. Field, Con-Trib-Club committee chairman.

"This pledge will make it possible to purchase a majority of those items necessary to put the Center in operation," Field said.

In other recent action the committee approved a donation of $5,000 to the Cerebral Palsy Foundation of San Diego for a resident center fund and pledges of $500 each to: Young Men's Christian Association, Metropolitan District; Young Men's Christian Association of San Diego County; and Young Women's Christian Association of San Diego.

Model Club Backs Coast Speed Meet

Many of the top model airplane builders and flyers from the western half of the United States are expected to participate in the West Coast Speed Championships being sponsored Sept. 4 and 5 by the Ava-Toros, CRA model club at Convair Pomona.

The event, hailed by many model enthusiasts as the outstanding model airplane speed contest of the year in this country, has been sanctioned by the Federation Aeronautique Internationale and the Academy of

(Continued on Page 3)

SD Plants go Six Weeks Free of Disabling Injury

At the close of the work day last Friday, Convair-San Diego employees had established a new plant record for the number of man hours worked without a disabling injury.

Through Friday, a total of 5,930,937 man hours had been worked since the last disabling accident, a new all-time record for Convair-SD in man hours. The record stretched over a period of 43 days.

In the future, each accident-free day adds another 176,526 man hours to the total.

"Each employee at San Diego is to be highly commended for his part in this outstanding accomplishment," said B. F. Coggan, manager at San Diego. "I know that our past accomplishment will only spur us on to even greater safety conscientiousness in the future."

M. C. Val Dez, SD safety supervisor, pointed out that Convair-SD has worked longer periods without lost-time accidents in the

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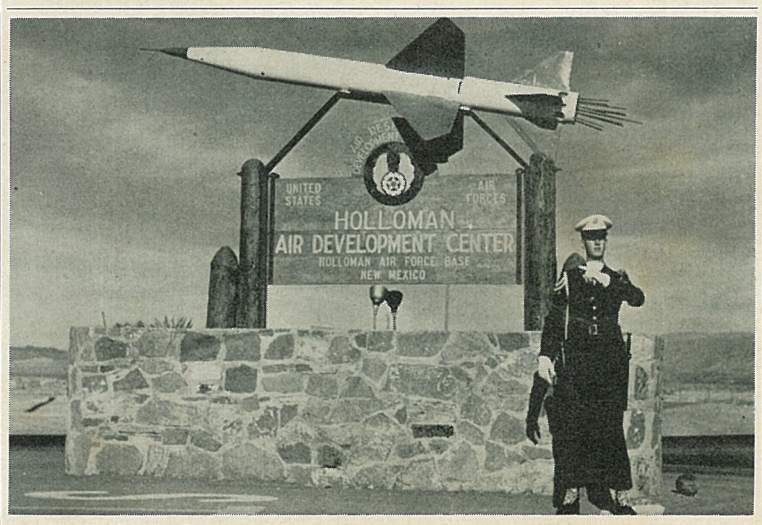


NEW OUTPOST—This is entrance to Holloman Air Force Base in New Mexico, where a Convair unit has been set up to conduct armament tests on F-102.

Club Will Hear Sen. Knowland

Senator William F. Knowland, senior California senator and majority leader, is scheduled to address Convair - SD Management Club members at their Sept. 18 meeting.

"Wives are invited and we are extending a special invitation to Solar and Ryan Management Clubs to attend," said J. F. Hopkins, chairman of the sponsoring General Office departments.

In order to accommodate the expected crowds, the meeting will be held at the Greek Amphitheater, San Diego State College, Hopkins said.

Log Book Entries

★ ★ Service Emblems ★ ★

SAN DIEGO

Service emblems due during the period August 16 through August 31:

Twenty-year: Dept. 55, Joseph Drozdz. Dept. 522, V. F. Cernuto.

Fifteen-year: Dept. 24-1, C. L. Bennett. Dept. 31, C. E. Jones. Dept. 61, J. E. Quigley. Dept. 524-2, C. E. Damschroeder Jr.

Ten-year: Dept. 1-51, Gloria R. Copeland. Dept. 1-71, C. L. Blake. Dept. 3-3, Jeanette W. Kupersavage. Dept. 6, C. C. Harness Jr., F. A. Sweger, R. P. Wehrmann. Dept. 25-2, Alma W. Marshall.

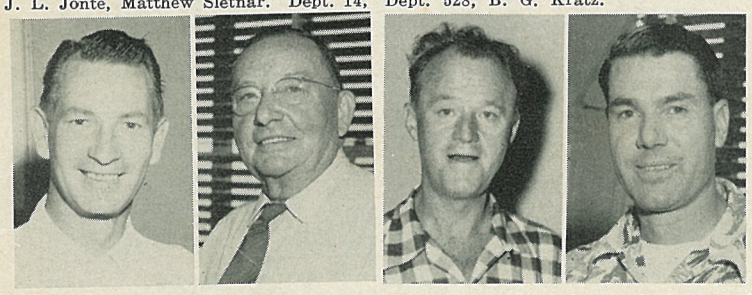
Dept. 28-6, T. J. Gaffney. Dept. 31, C. O. Clark. Dept. 70, H. G. Deweese, E. J. Helzer Jr., K. C. Whisman. Dept. 101, Gladys P. Story. Dept. 115, B. H. Johnson. Dept. 524-2, George Radici. Dept. 528-5, R. R. Reinagel.

Five-year: Dept. 6, W. L. Howell Jr., J. L. Jonte, Matthew Sletnar. Dept. 14, E. F. Schaller, Louise M. Weeber. Dept. 22, Marguerite C. Stomski. Dept. 25, Rudy Palovchik, L. J. Renz. Dept. 28, R. R. Chilcote, A. E. Nussbaumer, C. T. Peterson, H. C. Stephens.

Dept. 31, John Fuller, L. E. Sills. Dept. 45, Margaret P. Harberson. Dept. 52, Helen K. Cottle. Dept. 55, R. C. Brown, Mary K. McDonald. Dept. 101, Marguerite W. Smith. Dept. 202, R. H. Swadley. Dept. 210, Thyra H. Grantham. Dept. 212, L. J. Arsenault, Cecilia A. Hoagland.

Dept. 250, Opal H. McClure. Dept. 252, Nora M. Barham. Dept. 258, Queena Q. Roe. Dept. 303, James H. Cheek, J. D. Martin. Dept. 340, Dorothy G. Lawson. Dept. 350, J. L. Soares.

Dept. 401, Antonio Gianformaggio, L. G. Koutsubos. Dept. 506, E. J. O'Connell. Dept. 522, Deborah V. Bedgood, Jeanne M. Guthrie, O. F. Hunnicutt. Dept. 528, B. G. Kratz.



Newly wearing 15-year pins at San Diego are, left to right, H. S. Jensen of Dept. 406, E. J. Tiedemann of Dept. 31, J. W. Hopkins of Dept. 522-2, and C. P. McVay of Dept. 31.

Awards

SAN DIEGO

Employee Suggestion awards totaled $1,738.50 for the weeks July 22 and July 29:

Dept. 1-31, GO Industrial Relations: Ruth Graham.

Dept. 4-8, Purchasing: Frances F. Terpening.

Dept. 5, Long Range Planning: J. M. Singleton (final payment).

Dept. 6, Enginering: H. Q. Driscoll, J. L. Hanson, E. F. Kosen, M. O. Pinkham, R. F. Summers.

Dept. 9-6, Office Services: J. R. Larson.

Dept. 22, Manufacturing Control: P. F. Grijalva, A. N. Peck, J. W. Perdue.

Dept. 24, Tooling: J. E. Birdsall, P. A. Knowles, H. Marshall, A. E. Scholz (final payment), B. J. Zlateff.

Dept. 25, Plant Engineering: E. L. Anderson, P. Stoops.

Dept. 27, Quality Control: W. K. Hardy.

Dept. 30, Model 8 Final Assembly: L. A. Alford, A. Huchthausen.

Dept. 35, T-29D Final: J. S. Barrer, J. S. Cuyle, T. W. Hayes.

Dept. 36, C131A Final: C. B. Hand.

Dept. 46, R3Y Final: S. B. Holder Jr., A. R. Lavis.

Dept. 52, 340 Wing: D. A. Laferriere.

Dept. 55, 340 Fuselage & Control Surfaces: A. Martin.

Dept. 56, 340 Primary: W. A. Detchon (final payment), G. J. Lauderdale.

Dept. 57, 340 Final: J. Schumacher.

Dept. 60, Model 8 Wing & Tail: T. R. Blake, C. R. Scott, H. V. Stickel.

Dept. 70, Model 8 Fuselage: J. J. Monsegur.

Dept. 101, Sheet Metal: R. W. Brown.

Dept. 102, Sub-Assembly & Processing: E. C. Karr (final payment).

Dept. 115, Machine Shop: N. J. Maxwell, E. D. Robertson.

Dept. 201, Sheet Metal (Plant 2): E. M. Grace.

Dept. 203, Welding: W. T. Curtis, F. E. Hitchcock, O. D. Sanders Jr.

Dept. 212, T-29 Fuselage: A. M. Campanella, M. C. Hil, E. F. McCormick, H. E. Newlin, I. S. Zaner.

Dept. 215, Machine Shop (Plant 2): L. W. Tracy (three awards).

Dept. 225, T-29 Wing: B. W. Contreras, M. V. Kureri, J. Lopez, C. S. Tombler.

Dept. 235, T-29 Primary: H. D. Cottrell, H. Frankston.

Dept. 252, Electric Bench & Fabrication: I. Swanson.

Dept. 258, Proofing Mock-Up: W. R. Arnold Jr.

Dept. 300, Field Operations: R. Rittenhouse, A. J. Smith, J. M. Tuggle.

Dept. 340, T-29 Final: J. C. Morales, F. A. Rado.

Dept. 350, Proofing Mock-Up: F. C. Allen, P. Foster, C. Hammond.

Dept. 403, Tool & Die Shop: F. J. Cosenza (two awards).

Dept. 522, Manufacturing Control (Plant 2): R. A. Lucki.

Dept. 528, Inspection (Plant 2): G. D. Kline Jr., F. Lay, L. L. Wall, C. C. Westcott, R. Yturralde.

Dept. 603, Tool Manufacturing: T. Bingham, P. P. Dellaria, W. H. Poschman.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective August 9:

Dept. 6, Engineering: To asst. foreman, R. G. Carman; to group engineer, W. J. Dewey; to engr. plng. and est. asst. supervisor, R. M. Frost; to flight test group engineer, R. L. Runnalls, T. W. Sanford Jr.; to asst. project engineer, R. E. Strayer.

Dept. 522-5, Production Tabulating: To tabulating supervisor, E. H. Spinning.

Dept. 524-2, Tool Planning & Design: To tooling asst. supervisor, G. E. Williams.

POMONA

Dept. 6, Engineering: To senior test equipment group engineer, Joe Benish; to senior technical group engineer, W. J. Morrow; to chief of engineering labs, J. O. Schock.

☆ ☆

Norma C. Buell of Dept. 3-5 recently joined select circle of 15-year pin wearers at SD.

☆ ☆

Births

SAN DIEGO

COLLIER—Son, Scott William, 6 lbs. 4 oz., born Aug. 17 to Mr. and Mrs. O. E. Collier, Dept. 6.

CROSS—Daughter, Susan Dee, 6 lbs. 5 oz., born Aug. 13 to Mr. and Mrs. O. F. Cross, Dept. 55.

DAVIS—Daughter, Donna Rae, 8 lbs 5 oz., born July 10 to Mr. and Mrs. R. C. Davis, Dept. 40.

HARVEY—Daughter, Catherine Etisa, 7 lbs. 5½ oz., born July 31 to Mr. and Mrs. Frank Harvey, Dept. 300.

MERCIER—Daughter, Michele Marie, 5 lbs. 7½ oz., born Aug. 9 to Mr. and Mrs. J. R. Mercier, Dept. 22.

SLAGLE—Daughter, Merri Sue, 11 lbs. 2 oz., born July 30 to Mr. and Mrs. W. A. Slagle, Dept. 46.

STUTZ—Son, Mitchell Joseph, 7 lbs. 4 oz., born Aug. 4 to Mr. and Mrs. M. E. Stutz, Dept. 403.

POMONA

HILL—Daughter, Debra Jean, 7 lbs. ½ oz., born July 27 to Mr. and Mrs. Lyle M. Hill, Dept. 5.

MOYTA—Son, John Michael, 7 lbs. born August 12 to Mr. and Mrs. John Moyta, Dept. 6.

PUGLIESE—Son, Mark John, 6 lbs. 5 oz., born July 25 to Mr. and Mrs. D. A. Pugliese, Dept. 6.

Training Classes

SAN DIEGO

BLUEPRINT READING — Second shift. Will start Tuesday, Sept. 21, to meet Tuesdays and Thursdays, 1:15 to 3:15 p.m., Room 9, Bldg. 32, Plant 1. Instructor, Werner A. Kuhtz.

ELECTRONICS—Intermediate. Second shift class meets Mondays and Wednesdays, 1:15 to 3:15 p.m., Room 10, Bldg. 32, Plant 1. Instructor, Leonard H. Fugate.

MATHEMATICS — Refresher Course. Starts Sept. 13. Second shift, Mondays and Wednesdays, 1:15 to 3:15 p.m.; first shift, 3:45 to 5:45 p.m., Room 9, Bldg. 32, Plant 1. Instructor, Werner A. Kuhtz.

For further information contact one of the Training Section offices: Plant 2, Bldg. 2, ext. 211; Plant 1, Bldg. 14 or Bldg. 32, ext. 491 or 791.

INTRODUCTION TO SUPERVISION —AITI course to start Sept. 13. Mondays, 6:30 to 9:30 p.m., Room 220-C, SDJC Trade Center, 348 W. Market. Instructor, M. S. Lachman. Contact Lachman, ext. 491, Bldg. 14, Plant 1, for further information.

Deaths

SAN DIEGO

BURDEN—C. J., Dept. 212. Died Aug. 10.

KING—Lawrence E., Dept. 25. Died July 31. Survived by wife, Mrs. Natalie King; daughter, mother, brother and sister.

Personals

POMONA

I wish to express my deep thanks and appreciation to Dept. 51 for their kindness during my recent illness. I'm glad to be back.

C. R. Drum, Dept. 51
Convair Pomona

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations, General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 50,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, North end of Building 32, Plant 1, ext. 1071. Staff: W. B. Weickersheimmer, Grayce Fath. Pomona Editorial Offices, Building 2, Room K-222, ext. 6226 (or if no answer, call 6278). Staff: James Combs, Jr.

"TIRE KICKING"—This is Convair-owned Stinson which will be sold on bids next week. Convair-SD men are giving it a careful looking over.

Rivets

(Continued from Page 1)

Logan Burris (Butch) Jenkins, 6, son of Convairiety's editor, was playing near his home in Coronado recently when a runaway parakeet chose the top of his head for a roost. The boy walked into the house with him and was beside himself with excitement over the capture. He had a gay time promoting a cage, bird seed, etc.

Next morning Butch forgot the bird was loose in the living room and left the front door open. The bird flashed for freedom and through quick tears the boy saw him vanish into the wild blue yonder. Smugly, his parents pointed out his carelessness and explained that was why they had never bought him a bird for himself. Yak, yak, yak.

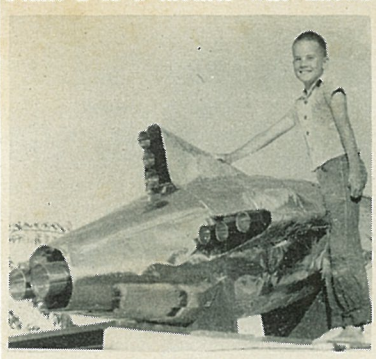
That afternoon Butch again was playing across the street when his mother saw him start for home, moving in a strange manner as though he wanted to walk and run at the same time. Hanged if he didn't have the same bird again; and darned if he didn't make it into the house!

"See, Daddy, it didn't make any difference being careless. I can get him back any time I want to!"

Yak, yak, yak.

* * *

Rosalie Watt of Dept. 235 at Plant 2 is a mother who knows



the way to a boy's heart. It's not by way of his stomach, either. It's by space ship.

Mrs. Watt built it herself for her son **Martin**, 8. Outside covering is of aluminum foil building paper and "jet pipes" are tomato juice cans! Total cash output was $7.35, mostly for wood screws of which she said: "There must have been thousands!"

For more about Mrs. Watt's accomplishments, see page 4.

* * *

This item gives us gleeful pleasure. In the July 28 issue we called a form of plant life appearing in a photograph a "yucca." Promptly we got denials, from **Virginia Stagg** of Dept. 3-1 Fort Worth and others, naming it a "Joshua tree." Our head was low in shame until **Orland H. Bailey** of Dept. 10-2 at San Diego came forward:

"The so-called Joshua tree, named by the Mormons who saw it upon entering the Mojave desert and likened it to Joshua pointing the way, is botanically a yucca brevifolia and is one of some 30 species of yucca indigenous to the southwest U.S.

"Yucca, sometimes erroneously called yucca palms, are actually of the lily family."

(Now we can't wait for a chance to identify a yucca as a lily!)

Sept. 18 and 19, Saturday and Sunday, are dates for Sixth Annual CRA Circus-Picnic at San Diego. Make your plans now to be at Del Mar.

Bids Sought on Convair Stinson With Thursday, Sept. 2 Deadline

Convair-SD's salvage yard has been selling "airplanes" piecemeal for a number of years, but next week, for the first time, it will dispose of one all assembled and ready to fly.

It is a Stinson Voyager Station Wagon, long familiar to flight department members as a company plane that served varied assignments, from transport to photographic.

R. H. Lange, salvage yard administrator, announced that he is calling for bids on the airplane. They will be opened at 4 p.m. Thursday, Sept. 2, at the yard. Bidders should be prepared to post a 20 per cent deposit, balance payable on delivery.

The Stinson model 108 four-seater was relicensed in April of this year. It has had a total of 930 hours' flying time. Engine time since the last major overhaul (including heavy crankcase) is 250 hours. The plane is equipped with two-way low frequency Hallicrafter radio, landing and navigation lights, metal prop. The covering is good for approximately another year and the plane is in good flying condition. It has always been hangared.

Further information may be obtained from Lange at ext. 527.

F-102 to Test Armament At AF Base on Desert

First armament tests on a Convair F-102 supersonic interceptor are due to start before the end of the month coincident with the delivery of an F-102 to Holloman Air Force Base, N. M.

The delta wing fighter built for the Air Force will be put through a series of firing tests by a picked crew of Convair technicians.

About 10 members of this crew have been occupied since June in establishing the Convair "outpost" at the desert site. At that time the giant Air Force XC-99 transport, also built by Convair, set the program in motion by airlifting 93,000 pounds of equipment from San Diego to Holloman to be used in the tests.

Some 50 Convair employees will be engaged in the tests in the near future under the supervision of George O'Hare. The engineering test program on the F-102 is being directed by Phil Prophett, manager of 102 flight test operation.

Known officially as Holloman Air Development Center, the base is situated near Alamogordo, N. M., some 90 miles north of El Paso.

Pomona NIO Given Navy Safety Award

The Navy's Motor Vehicle Safety Award—"for having maintained an outstanding motor vehicle accident prevention program"—has been presented to the Naval Inspector of Ordnance's staff at Pomona.

Presentation of the award to Capt. F. C. Manville, USN, Naval Inspector of Ordnance, was made on behalf of the Secretary of the Navy by Capt. J. L. Melgaard, USN, commanding officer of the Naval Base at Long Beach.

"I note that you have completed 1953 without a single accident," Capt. Melgaard said. "This is a highly unusual accomplishment."

In a later ceremony, Capt. Manville congratulated Van T. Bradford and Elby Bass, as those most responsible for safe operation of staff vehicles last year.

CRA's Annual Picnic Only Month Away

(Continued from Page 1)

and a half show which is being produced and directed again by "Carolina" Brunson of Hollywood.

"Every act in this year's show is new and we think they will please both young and old," Brunson said this week.

Featured in the revue will be trampoline artists, animal acts, educated horses, jugglers, musicians, cyclists, comedy acts, balancing acts and some nerve-tingling dare-devils.

And don't forget the clowns. They will be there for the added enjoyment of the kiddies.

"We hope families will bring a lunch and make a day of it," Crosthwaite said. "There will be plenty of picnic tables, free punch and room for all."

The gates open at 10:30 a.m. each day and festivities end at 4:30 p.m. The circus revue will be presented at 1:30 p.m. daily.

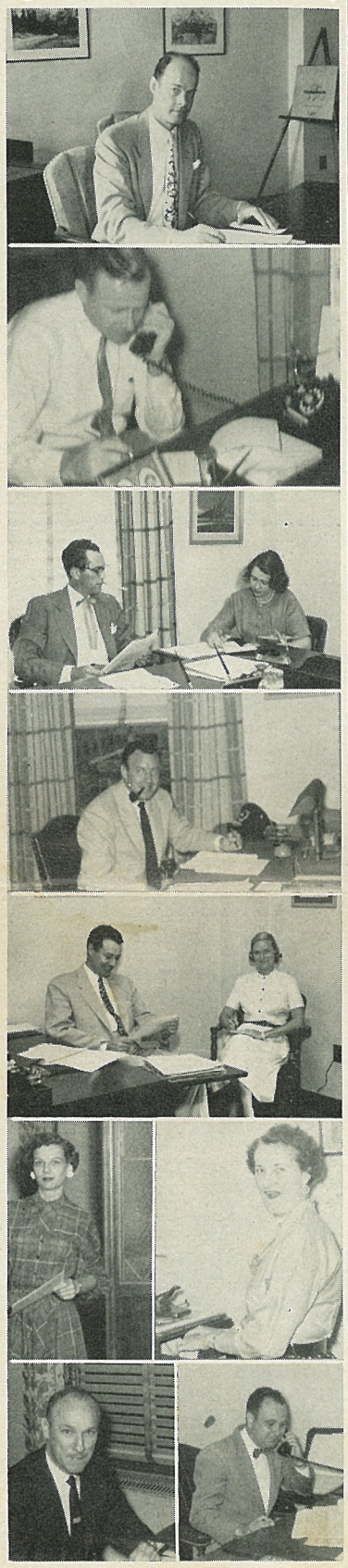
VISITOR—Rear Admiral R. E. Blick, USN, Deputy Chief of Naval Material and special advisor on aviation and guided missile matters to the Chief of Navy Material, and Cdr. W. E. DeVenter, USN, Bureau of Ordnance, pay visit to Convair-operated Naval Industrial Reserve Ordnance Plant at Pomona. They are shown with Capt. F. C. Manville, USN, NIO at Pomona, and C. F. Horne, Pomona manager.

Convair Maintains Own 'Eyes & Ears' at Dayton

Although the U. S. Air Force hangs its official cap in Washington, D.C., its purse strings are handled by the Air Materiel Command located in Dayton, Ohio.

For this reason, Convair for more than a decade has maintained a Dayton Office to act as "eyes and ears" for Convair in the Air Force Procurement Center.

"The Dayton Office is in the front line of our sales effort, selling to the Air Force and gaining information on what is likely to develop," explains J. G. Zevely, Convair director of contracts and sales, to whom the office reports.



In charge at Dayton is C. Gordon Wolcott, formerly of engineering and commercial sales at San Diego. He took over the post in March, 1953, from J. T. (Bing) Cosby when the latter was named B-58 program director at Fort Worth. Previous Dayton managers include the late Mr. O. H. Snyder and Grant Christensen, now assistant to R. C. Sebold, vice president—engineering.

In addition to the continuing job of direct selling, the Dayton Office has the further task of tactful and diplomatic guiding of Convair projects and proposals through the sometimes heavy seas of competition; the perennial chore of "putting out fires," large and small; steering Convair visitors to the right appointments; maintaining program follow-ups; and the all important assignment of keeping management up to date on what competitors are planning on the latest developments among Convair's many major and minor projects, and possibilities of new business.

The office is located on the seventh floor of the Hulman building in downtown Dayton. There is rarely a time when the staff is not greeting new Convair business arrivals or bidding others farewell. Visitors average 25 a week, but the record was established this year when 62 Convair travelers hit town in a period of seven days.

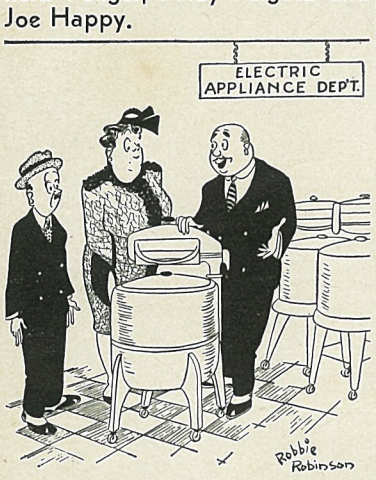
Although others carry the titles, it has been claimed that the ones who really "run" the Dayton Office belong to the feminine element. These are: Eleanora Yenger, who received her 10-year pin more than a year ago; Florence Miller, remembered by many a Convair traveler as a miracle worker when it comes to arranging transportation; Sebe Smith, who recently took over the important duties of receptionist; and Barbara Smith who handles the teletype assignments and does more than any other to maintain communications.

Assistant manager to Wolcott is Joe G. Maloney, six years with Convair and previously with Curtiss, G. E. and Boeing. He is the office's most imposing individual, six feet four inches high. J. J. Walden Jr., who has been acting assistant manager in Maloney's absence, has been at Dayton two years (as has Maloney) and previously was in contracts administration at Fort Worth. He's from Texas originally and once was a short-term mayor of El Paso.

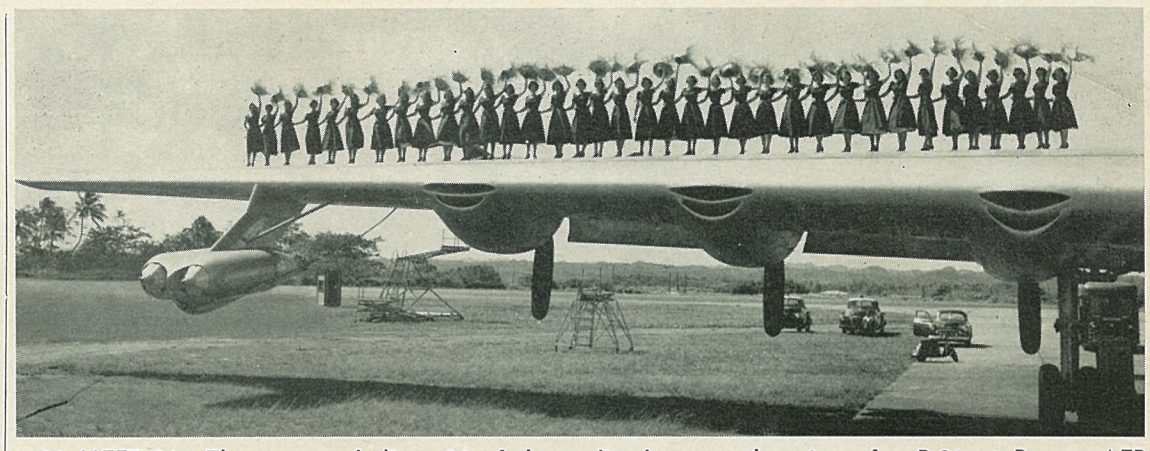
George Kaibel also has been representing Convair at Dayton for two years. He's from San Diego, with legal training at San Diego State, has seven years with the company and saw duty in inspection, and materials. Jack Onorem, another Dayton staff member, is a former Northrop test pilot and Air Force officer released from active duty in June of 1953.

The Dayton Office also has "company." Material departments at San Diego and Fort Worth are served by Joe Happy as resident representative. Andy Palguta, another resident representative, serves the Fort Worth service department. Palguta, however, expects to turn over this assignment soon to Larry Rader, recently arrived from El Paso.

AT DAYTON—Informal snapshots of Convair staff at Dayton Office show, top to bottom: Gordon Wolcott, manager; Joe Maloney, assistant; J. J. Walden Jr. and Lorraine Griffith, George Kaibel, Jack Onorem and Sebe Smith, Florence Miller and Eleanora Yenger, Andy Palguta and Joe Happy.



"Now this model works so easily that even your husband can operate it."



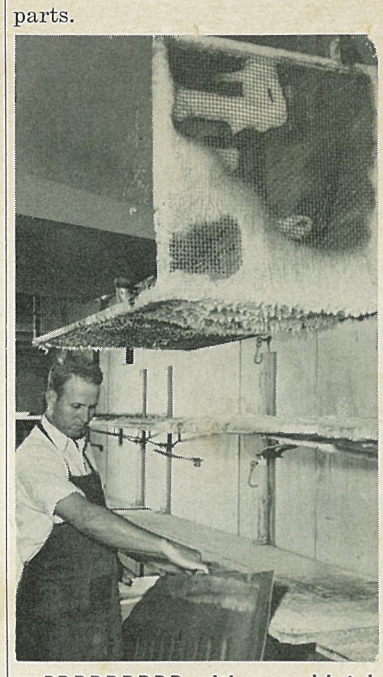
36 MEET 36—These young ladies—36 of them—lined up on the wing of a B-36 at Ramey AFB in Puerto Rico recently while on a tour of U. S. bases in the Caribbean. The lovelies are the "Melody Maids" from Beaumont, Tex., who have entertained military stations throughout the world since they were organized in 1941.

Refrigerator Chills Parts

Temperamental metals are running no temperatures these days in the drop hammer room at Convair-Fort Worth now that a new king-size refrigerator is in use to plummet the mercury.

Largest ice box in the plant, it's 20 feet long, eight feet high and eight feet wide.

It's used to chill aluminum parts.



BRRRRRRRR—It's a cold job for C. J. Bedford at Convair-Fort Worth when temperature-sensitive sheet metal must be obtained from refrigerated room. It's located in drop hammer area in Dept. 31. Temperature is usually kept 30 to 50 degrees below zero.

McNarney Named to Defense Committee

Gen. Joseph T. McNarney, Convair president, has been named to a 34-member committee on national defense, composed of business and professional leaders from all parts of the country. The committee's aim is adequate national security at a reasonable cost. The announcement was made by C. D. Johnston, president of the U. S. Chamber of Commerce.

McNarney Traces Big Advance In Quality Control in Aircraft

(Continued from Page 1)

function of quality control in the aircraft business was exercised by a man with a cigar who kicked the wheels of planes as they came off the production line, thumped their canvas skins with his finger, wiggled their rudders once or twice, and if nothing gave way, rubber stamped his approval on some part of the plane especially selected to withstand the pressure. He qualified for the job by having a strong right foot, a good thumping finger, and an elastic conscience. . . .

"Today quality control doesn't begin at the end of the production line in California, nor even at the beginning of it. It begins in the aluminum and steel mills . . . in the rubber factories . . . and in the electronic labs. Today quality must be kneaded into an airplane at every stage of development. . . .

"As an example of where quality control has come, we at Convair spend five and a half million dollars on it every year at San Diego plants alone. . . . All told we have about a thousand people in quality control (San Diego alone). They have the run of the plants, they poke their noses into everything, and if they don't like what they find they are not at all coy about saying so. . . . "

McNarney explained that the demands of high altitude and supersonic flight have brought about this great change.

"Every new foot of altitude, every new knot of speed, every new mile of range will add to the stresses and strains," he continued.

"Yet we must not fail, for it is no exaggeration to say that on the quality of our aircraft will depend much of this nation's ability to withstand the great stresses and strains of international relations."

SD Plants Set New Record For Safety

(Continued from Page 1)

past, but that accumulated man hours during these periods did not compare with the present record.

"For instance, the plant worked 60 days without an accident during one period in 1949, although only 3,088,873 man hours were recorded," he said.

San Diego's safety feat enables it to fly the National Safety Council's Award of Honor pennant. Only those firms meeting the most exacting safety standards are so honored. Convair-SD has won the equivalent award only three times in the past.

Breaking the safety record down into simple terms, Val Dez made the following comparison:

"A 20-man crew working eight hours per day, seven days per week, would have to work almost 99 years to earn an equivalent number of man hours."

Pomona Club Backs Coast Speed Meet

(Continued from Page 1)

Model Aeronautics. FAI sanction — the only such sanction granted to a speed event in the U. S. this year—means that contestants may vie for world records.

"We have mailed 37 invitations to individuals and groups in five states, including a personal invitation to Leland Morton of Dallas, who holds the national model speed record," CRA Commissioner Dick Everett said. "We have also invited members of the CRA model clubs at Fort Worth and San Diego."

The contest will be held on the parking lot northwest of building 4 at the Convair operated Naval Industrial Reserve Ordnance plant in Pomona. Special permission to use the plant parking lot facilities has been granted by the Navy Bureau of Ordnance.

In addition to FAI and AMA speed events, the two-day meet will also feature "carrier deck" contests and combat flying. Also, an invitation has been extended to a widely known designer and manufacturer of model planes to stage exhibition flying with various types of models, Everett said.

"All in all, we expect between 75 and 100 contestants, and they will probably be flying at least 150 différent planes," he said. "The contest is actually open to AMA members everywhere."

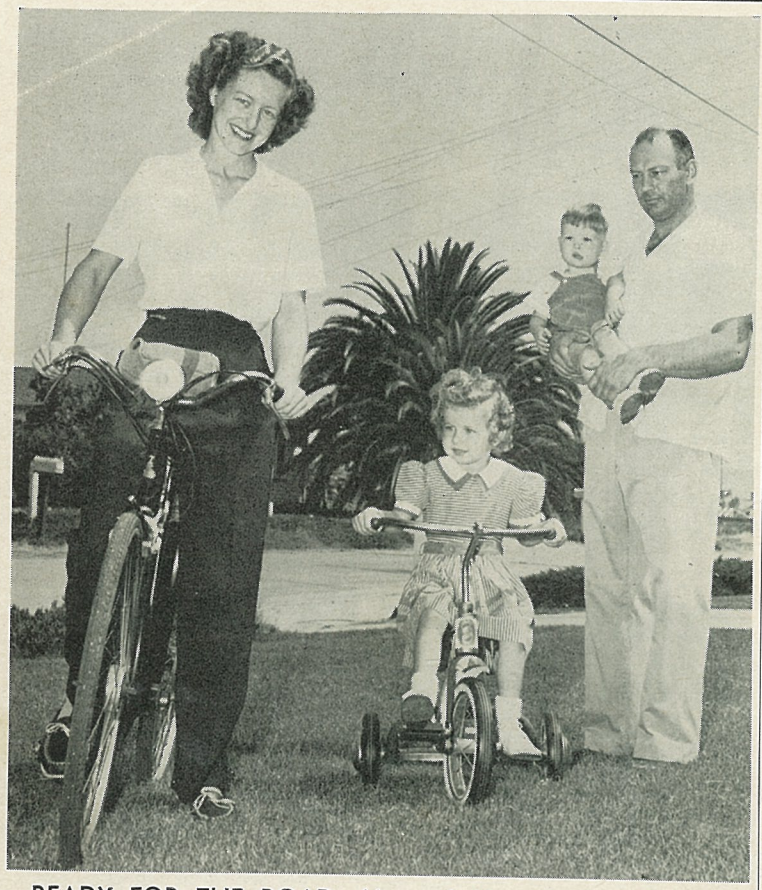
R. L. Brown, Dept. 31, will be in charge of the combat flying event. Mark Tackett, Dept. 31, will run the carrier deck competition, while Bob Anke, Dept. 14; Paul Walrabenstein, Dept. 51, and George Frahm, Dept. 72, will conduct the speed events. Bill Trumble, Dept. 31, will be in charge of processing.

SAFETY AWARD—Capt. F. C. Manville, USN, left, Naval Inspector of Ordnance, Pomona, congratulates Van T. Bradford, center, and Elby Bass, drivers on his staff, for their part in winning Navy's Motor Vehicle Safety Award for 1953. InsOrd vehicles completed year without a single accident.

Aircraft Institute to Start

Convair-San Diego employees were reminded this week that the fall semester of the Aircraft Industry Technical Institute will start Sept. 13. Registrations will be taken at the San Diego Junior College Trade Center, 348 West Market, begnning the week of Sept. 6.

Complete schedule of classes will be found on bulletin boards in both plants. For additional information, see or call Stan Sosnowski, Training Section, Bldg. 14, ext. 492, Plant 1.



READY FOR THE ROAD—Mr. and Mrs. Stephan Trotter of Convair-SD's Depts. 10 and 31, with their children, Terry and Tommy, and bicycle with which Mrs. Trotter has crossed U.S. She recently tried bike tour to Chicago, but failed.

Warm Going

Heat Halts Convair SD Woman's Bicycle Journey to Chicago

Kansas heat last month prevented a Convair-SD mother from completing a Colorado Springs to Chicago bicycle ride.

The veteran cyclist (she has crossed the country once and has piled up thousands of miles in other bicycle tours) is Mary Trotter, second shift timekeeper at Plant 2. Her husband is Stephan Trotter of San Diego's Dept. 31.

Mrs. Trotter shipped her bike to Colorado Springs and started [illegible] July 12, covering 130 miles the first eight hours. The next day was one of the most nerve-racking that she can recall.

"The heat was unbelievable. They told me later the temperatures on the highway were as high as 145 degrees.

"I couldn't touch the handlebars or my canteen without blistering my hands."

At Colby, Kansas, she collapsed, spent 36 hours in bed and continued on to Chicago by bus.

Although Mrs. Trotter failed on the bike ride, she managed to achieve her real objective, which was in the interest of her two children, Terry, 4, and Tommy, 18 months. They have suffered since birth from a fibrocystic disease, which affects their lungs and ability to assimilate food. Although they appear bright and healthy, they must spend a certain part of each day in an oxygen tent. Doctors have advised Mrs. Trotter there is no known cure.

"I thought that if I could do something unusual, such as the bike trip, I could get on a coast-to-coast television show and I might reach someone who could give us hope in fighting this rare disease," she explained.

She was successful in this and managed to appear on "Welcome Traveler." Although she mentioned her plight she has received no response thus far.

Mrs. Trotter has been making long distance bicycle trips since she was a girl. She once rode from San Diego to Pennsylvania with her brother and last summer pedaled to the Grand Canyon alone. She usually sleeps out. She has had only one serious accident. About five years ago in Washington, D. C. she was knocked down by a bus but recovered from minor injuries.

She is still riding the same bike, an English machine with three speeds ahead, which makes it easier on grades.

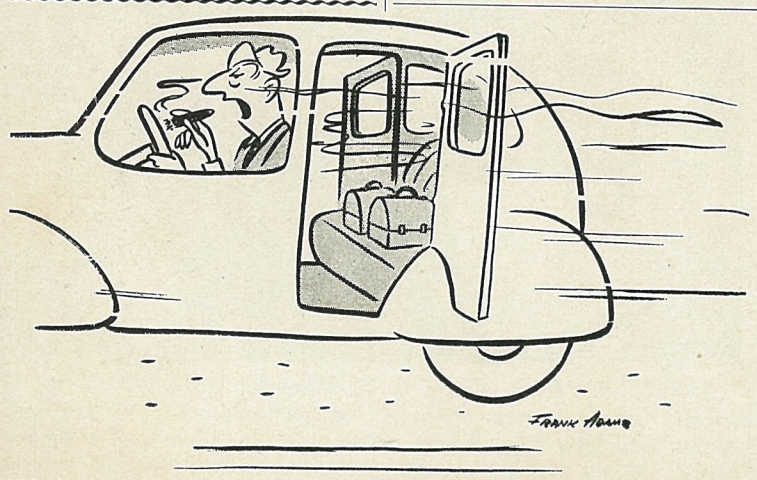
Convair Man, Wife, Four Children Hurt In Nebraska Crash

Orval Lee Cox Sr., Dept. 403, Convair-SD, and his family are in a hospital in Valentine, Nebr., with serious injuries suffered when they were involved in an auto crash, according to word received here last week.

The family was enroute to Iowa on a vacation trip when the accident occurred near the Nebraska town. In the hospital, besides Cox, are his wife, Norma, and their four children; Orval Jr., 18; Stephen, 16; Jack, 14, and Leanne Cox, 3.

Department friends have been in touch with the family in an effort to assist them in any way possible.

Sept. 18 and 19, Saturday and Sunday, are dates for Sixth Annual CRA Circus-Picnic at San Diego. Make your plans now to be at Del Mar.



"If this cigar annoys either one of you guys . . . I'll throw it out."

Safety Records Topple at SD

July was a banner month for safety at Convair-SD with four functions tying for first in the monthly safety contest. All were without an injury during July.

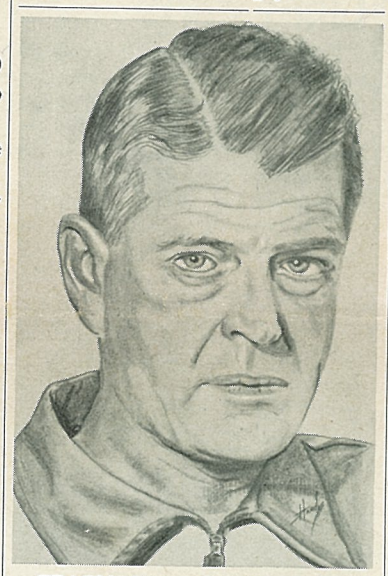
Supt. E. D. Robinson and his F-102 major and final assembly departments (Depts. 30, 60, 70 and 258) worked 217,492 manhours without an injury and thereby led the pack. Fabrication departments (Depts. 101, 102, 103, 104, 110, and 115) at Plant 1 under Supt. F. E. Grossher were second high with 204, 212 manhours.

Also boasting perfect records were Dept. 522 (manufacturing control) at Plant 2 under V. F. Cernuto and T-29 and C-131A final assembly departments (Depts. 35, 36 and 340) under Supt. J. P. Hopman.

Convair Handing Out Security Booklets

Eleven thousand booklets on national security rules and regulations were scheduled to be distributed at Convair-Fort Worth this week, according to Industrial Security Manager I. B. Hale.

The pamphlets set forth the major regulations with which most Convair employees are concerned. Industrial Security planned first to contact each department to learn how many books were needed, then to supply the departments accordingly.



FEATURED — Quality Control posters which are changed every two weeks at Convair-SD will have a new twist next month. This will be first of three which feature personalities and stress importance of quality work. Above is excellent pencil sketch of Sam Shannon, Convair-SD's chief of experimental flight, which will appear on poster mentioning Sea-Dart and F-102 and indicating reliance of pilots on Convair quality. Sketch was made free hand by Walt Hardy, Dept. 27-1 illustrator.

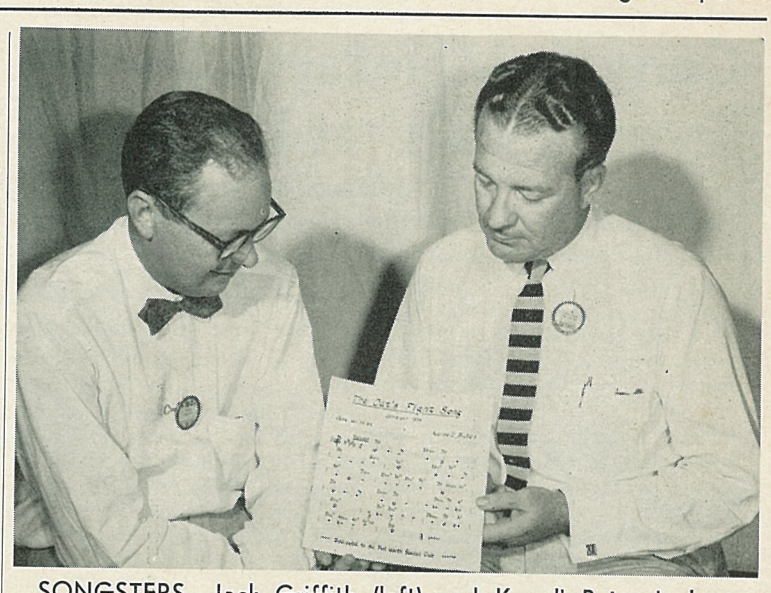
Al Morgan Rejoins Convair-San Diego

A. W. Morgan, former general manufacturing manager at Convair-SD, has returned to Convair at San Diego as assistant to B. F. Coggan, San Diego manager. Morgan has been with Pachmayr Gun Works, Inc., in Los Angeles as vice president and general manager. Morgan's experience with Convair dates from Vultee Field days. He was at Fort Worth for a period in 1949 and was transferred to the coast that same year.

Dr. Finlay to Talk For Metals Society

San Diego Chapter members of the American Society for Metals this week extended an invitation to Convair-SD employees to attend a special meeting on titanium alloys at 7:30 p.m. tomorrow (Aug. 26).

Dr. Walter L. Finlay, vice president of Rem-Cru Titanium, Inc. of Pittsburgh, Pa., will be the main speaker at the gathering at Hoover High School auditorium.



SONGSTERS—Jack Griffith (left) and Karsell Bates look over "Cats' Fight Song" they wrote for local ball club. They are collaborating on several other songs, too.

The Cat's Meow

Convair FW Men Collaborate On 'Fight Song' for Ball Club

The Fort Worth Cats baseball team has a "fight song" that is really the "cat's meow"—thanks to two Convair-Fort Worth men.

They're Karsell Bates from development liaison and Jack Griffith of budgets. And the story of the song is this.

Franzell Brooks, who is the organist during intermission of Cats games, was talking to Spencer Harris, president of the club, one day about Bates and Griffith. She told them about their ventures in song-writing. Harris was impressed. He called in the two and said:

"The Cats need a fight song. Why don't you see if you can write one?"

"My opinion was that fight songs are for college football teams," said Bates. "But I thought it was a novel idea."

"So," said Griffith, "we wrote one."

The result of their efforts is a fast-moving little ditty with words that go like this:

"Let's stand together and give our Cats a cheer,
We'll shout together, and let them know we're here!
With us behind them, they'll play their best and how—
No one can beat our Panthers for they're the Cats' meow!"

Harris was impressed and the song was officially adopted. Last month it was presented to the public by the "Tune Tillers," a vocal group from Dallas.

"The applause indicated the audience liked it," said Bates.

A record is being cut for radio stations to play before broadcasts and at La Grave Field.

Song writing is nothing new to the pair. They've collaborated on several others, one of which is now with Tommy and Jimmy Dorsey. Names of some of their songs are: "Sil Vous Plait," "Tonight My Love," "What'll I Do Tomorrow?", "I Can't Forget," plus many, many more.

Bates formerly played with several name bands on the west coast. At present he is active in the CRA Band, and also is featured trumpeter for Fletcher Hereford's Orchestra.

Esenwein Will Head AF Assoc. Delegation

A delegation from Convair-Fort Worth was scheduled to attend the Air Force Association annual meeting in Omaha Aug. 19 through 22.

Heading the group was August C. Esenwein, Convair vice president and manager at Fort Worth.

San Diego Woman Assembler Builds Own Tool Box To Hold Almost Anything, Blueprints to Rivets

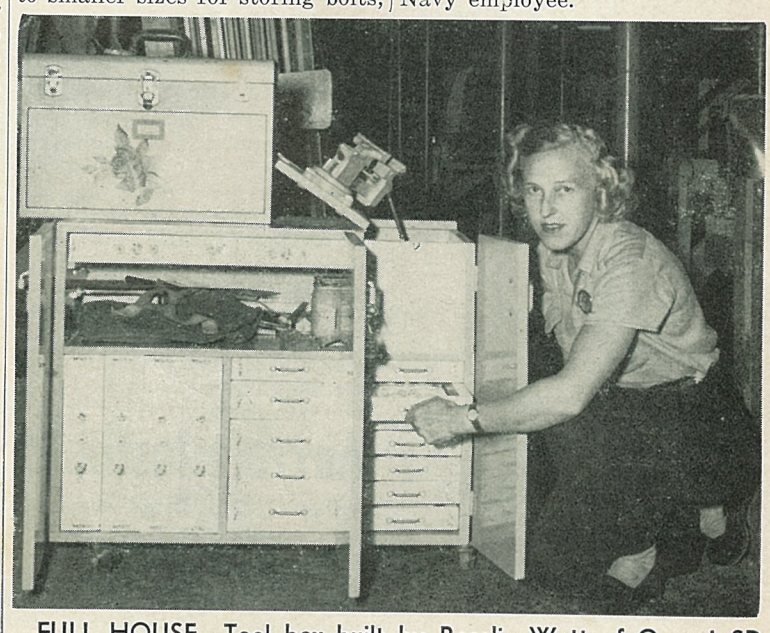
Rosalie Watt of Convair-SD is a firm advocate of the trend toward supermarkets. That is, "everything under one roof."

In fact, she's brought the idea to work with her in the form of an unusual tool box with room enough to contain just about anything she will ever need in her work as a Dept. 235 assembler.

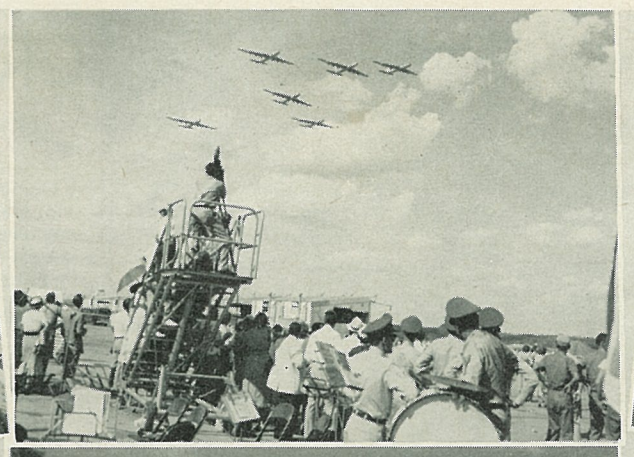
Standing 26 inches high, 33 inches wide and 14 inches deep, the home-made box has three hinged doors and 17 drawers within. The drawers range in size from those large enough to hold blueprints or manuals down to smaller sizes for storing bolts, rivets, etc. These smaller drawers are further partitioned by use of muffin tins and small plastic containers. A folding vice lifts out for use atop the box and casters make moving it easy.

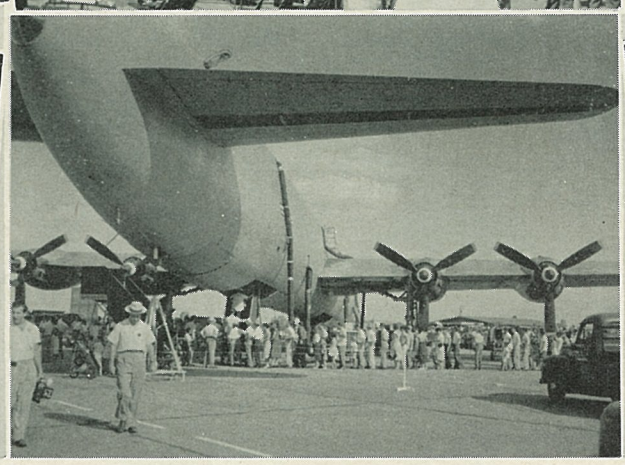
"I often had to stop work to find certain items I needed. Sometimes it would involve walking long distances," Mrs. Watt said. "So I hit on the idea of a tool box big enough for a little of everything."

She drew up the plans and then turned out the box in a workshop at her home, with some technical assistance from her husband, a Navy employee.



FULL HOUSE—Tool box built by Rosalie Watt of Convair-SD is fully equipped, even has a vise! It can be moved around on casters and padlocks make it secure when not in use.





FOND FAREWELL—Scenes from Fort Worth, taken Aug. 14 when last production B-36 flew away. Top left shows part of 11,000 spectators. In top center, TV crews grind away as B-36 formation flies by while, at top right, are Cols. Beverly Warren and Stephen P. Dillon, former AF representatives at FW, Col. C. Savage, present plant representative, and R. C. Sebold, Convair vice president-engineering. Lower left is inside XC-99 (which was on display), with Ike Polhamus explaining cockpit to his wife Lorraine, children Cynthia, Barbara, Isaac Jr. Polhamus was senior flight test engineer on plane when in FW. Lower center is exterior of XC-99 and lower right is O. Pomeroy Robinson Jr. (center), senior vice president of General Dynamics Corporation, who was present at ceremony. With him are R. D. O'Neal, Convair-FW program director on nuclear energy aircraft project, and Raymond Buck, Fort Worth attorney.

Fort Worth Dept. Chalks Lengthy Record Free of Disabling Injury

Five years without a disabling injury. . . .

That was the enviable safety record set by Convair-Fort Worth Dept. 61, final acceptance, before its work phased out July 26.

Date of the last disabling injury was Aug. 4, 1949, for first shift employees. Third shift employees did almost as well with a record of longer than four years. Their last disabling injury was May 30, 1950. Second shift employees had their last disabling injury March 5, 1951.

This means that since the last disabling injury, 1,520,904 man-hours have been worked.

"We're quite proud of our record," said C. B. Nolan, general foreman. "And it was made possible by close cooperation on the part of employees with supervision."

Said Fred Temple, safety engineering supervisor:

"Dept. 61 certainly deserves a pat on the back. It's especially difficult for a field operation type department to set such a fine record.

"We know this will be a challenge to other departments throughout the FW plant."

Depts. at SD Can Expect Visits Regarding Phone Cost Reduction

More and more Convair-SD departments can expect to be contacted within the next few months in a study of existing telephone facilities now under way.

That word came this week from a telephone cost reduction committee headed by J. F. Hopkins, manager of office services,

During the period July 15 to Aug. 15, savings of 8.4% (or $1,319) were realized as compared to the previous 30 days.

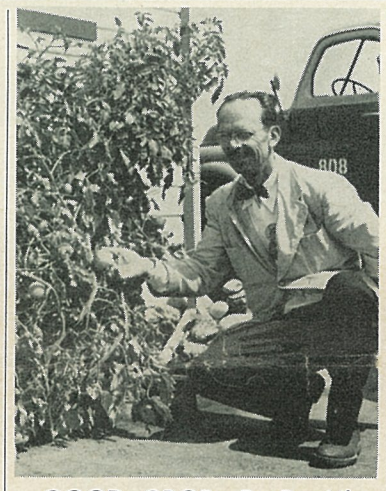
and including J. R. Herbig, manager of budgets, H. A. Smith, chief plant engineer, and D. A. Woellner, chief of systems and procedures.

"This survey is being made by the telephone company at our request," Hopkins said. "We hope to improve communications and at the same time realize a 20 per cent saving in Convair-SD's current annual telephone bill which is approximately $600,000."

First part of the survey was conducted in engineering department where it was found a substantial reduction in equipment was possible without adverse effect on communications. Survey crews will now move to individual departments.

"Despite our past efforts, lengthy long-distance calls and an overload of personal calls are still tying up our switchboard," Hopkins said.

The committee is studying the possibility of making a monthly award to the department showing the greatest percentage of communication savings as compared to past months, he added.



GOOD CROP—R. R. Aiken with tomato crop growing in pavement crack at compass rose, San Diego.

Hardy Plant Grows In Pavement, Bears 33 Tomatoes at SD

Convair-SD field operations employees have something they'd like their Texas "brethren" to match—a thriving tomato plant growing right out of the pavement.

That's right! The hardy plant poked its head out of the asphalt near the compass rose about three months ago. With a little help and water the plant now covers a framework of string and had 32 tomatoes at last count.

"We had 33 last week including one that was just turning from green to red," said R. R. Aiken, one of the gardeners. "Then some 'tomato-naper' made off with it."

Aiken has been the ringleader in aiding the plant's growth and the site has appropriately been named "Aiken's Truck Garden."

Certificate of Merit Presented For Aiding Apprentice Program

In recognition of leadership in supporting the apprenticeship program in Convair-SD, Archie J. Mooney, chief of the division of apprenticeship standards for the State of California, last week presented Dick Wilkens, SD manager of industrial relations, with a "certificate of meritorious service."

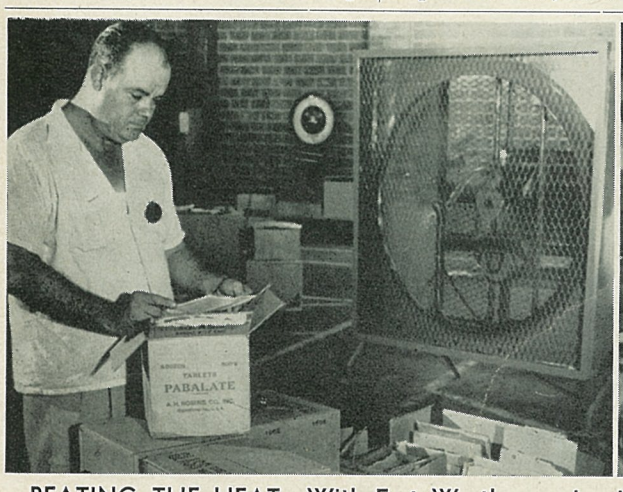
Mooney, a national authority on apprenticeship and one of the founders of the California program back in 1933, is also assistant to the state director of industrial relations and secretary of the California Apprenticeship Council.

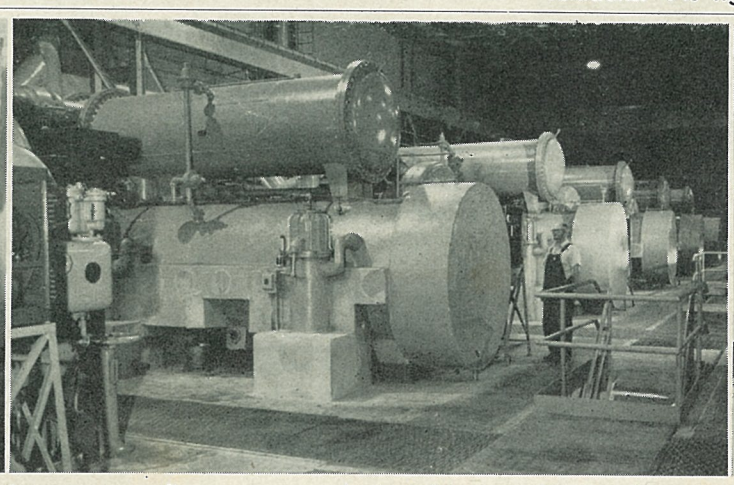
In making the presentation, Mooney said: "Convair's apprenticeship program has been one of the finest and best organized in Southern California. It has been operating with great success since 1942 and this award is being made in recognition of your own personal contribution to that success."

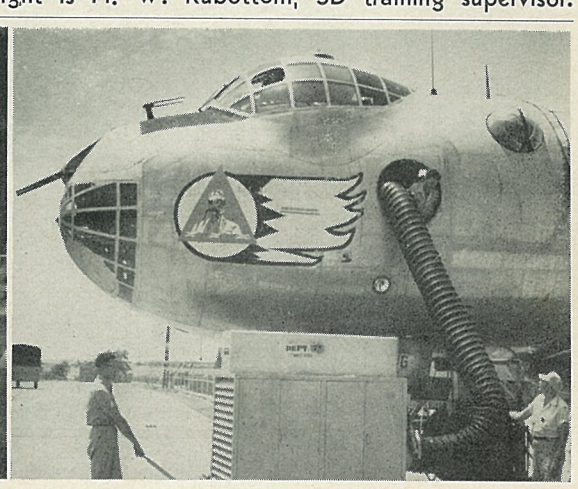
The certificate was signed by Governor Knight.

"Pretty cozy, eh, Bub?"

HONORS—Archie J. Mooney, chief of the division of apprenticeship standards for California, left, presents "certificate of meritorious service" to Dick Wilkens, SD manager of industrial relations. At right is H. W. Rubottom, SD training supervisor.







BEATING THE HEAT—With Fort Worth experiencing an unusually warm summer, Convair-FW folk have reason to have the weather frequently in mind. However, they're not without some means of combating high temperatures. At right G. H. King and D. H. Weeks, on ground, and C. U. Carpenter in B-36 nose, adjust portable cooling unit that makes life more pleasant inside SAM-SAC airplanes. At left a portable fan does some good for G. Patterson in warehouse No. 3 where conventional air-conditioning is almost impossible. But center photo shows one of 11 such 1,075-ton cooling units that keep Convair-FW's assembly and administration building comfortably cool. Earl Stolp is man at right.

RACING JAWS—Members of SD Camera Club, picnicking on Silver Strand, nibble in competition as Ken Rinker, left, shoots some candid shots. (Rinker is undefeated champion at eight cobs in four minutes, so didn't have to qualify.) Third from left is Mary Noyas of Dept. 55, model for the day.

The Dance's The Thing As SD Season Peps up

Tangos and sambas join forces with foxtrots and waltzes this month as CRA ballroom dance classes reorganize.

A new adult beginners' class meets each Wednesday night at 7:30 at Colonial Hall and everyone is welcome, according to Commissioner Ellen Andreasen. An advanced Latin class meets the same night at 8:30.

Ballroom classes meeting on Tuesday nights include adult beginners (foxtrot, beginning Latin) at 7:30 and advanced adults (foxtrot, waltz, tango) at 8:30.

A beginning adult ballroom class meets at 7:30 p.m. on Thursdays, with a teen-agers' party slated for 8:30 p.m.

Information about all ballroom sessions is available by calling Grace McGrath at AT-2-0975 or Martha Woodberry, ext. 1245, Plant 1.

★ ★ ★

A new beginners' square dance class opens Sept. 14 at Convair-SD and the door is open to all interested people, Larry Roth, CRA square dance commissioner, announced this week.

Slated to meet at 8 p.m. each Tuesday at American Legion Hall, Fairmount and University, the class will continue through 12 weeks, at which time graduates will move into intermediate dancing. Sept. 28 is the deadline for joining.

Advanced dance classes will resume Sept. 16 at the same location and time, Roth added.

Eight-Team League For Women Planned

An eight team women's bowling league has been tentatively set up for Friday nights during the winter, Mike Brooks, Convair-SD bowling commissioner, announced this week.

The league will organize at 6:30 p.m. Sept. 10 in a meeting at Tower Bowl.

"Teams or individuals interested in joining may attend the meeting or call Frances Brooks at BE-2-5750 or myself at ext. 430, Plant 2," Brooks said.

Check Stubs Proof Of Con-Trib Gifts

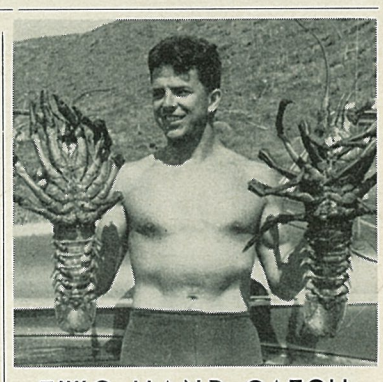
Con-Trib-Club members throughout Convair were advised this week to be on the safe side and save their pay check stubs, just in case Uncle Sam might ask for proof of Con-Trib donations.

"It is not possible for Convair to make individual tab runs to supply proof of Con-Trib-Club donations, for income tax purposes," J. K. Field, employee service supervisor at San Diego advised. "So, it is a good idea to save the check stubs, just in case your tax returns might be challenged."

Frank Meer Winner First Yater Tourney

Frank Meer of Dept. 4-2 put together rounds of 82 and 78, which minus his 14 handicap gave him a 36-hole total of 132, to win the first annual Charley Yater Memorial Tournament at San Diego last weekend. Jerry Cox of Dept. 201 was second with a net 134.

Those who won low gross awards in handicap divisions were Walt Jankowski, Rod Streed, William Jaynes, Russ Breeze. Net winners included Russ Davis, Robert Leadon, Vic Barger, C. Maikish, Joe Nunez.



TWO-HAND CATCH—George Zorilla of Dept. 6, member of Convair-SD Delta Divers, shows two lobsters, which weighed nine and 13 pounds, caught on club expedition to Santo Tomas, Lower California. This is favorite diving spot for SD clubmen.

Only Two Hunters Report Deer So Far For CRA Contest

Only two Convair SD nimrods have registered deer to date in the CRA Gun Club contest for sportsmen bagging big game this season, Commissioner Jerry Schultz said this week.

"The early season opened Aug. 7 up north and only two hunters have registered kills so far," Schultz said. "They will be eligible along with all other hunters who kill big game this year."

CRA will award merchandise awards at the close of the season. Nimrods registering their kill with CRA will have an equal chance in the drawing at the close of the season. This includes big game bagged out of state, Schultz added.

Blanks are available at employee service offices at both plants and at regular Gun Club meetings.

Nerlinger Masters The Masters at SD

Jake Nerlinger fired a 283 to win top honors in the master section of the monthly shoot staged by Convair-SD Pistol Club August 8.

Ray Groth won the expert class with a score of 270. Carl Hornburg turned in a 272 to cop the sharpshooter division and Dick Zigler won the marksman class with a score of 236. All scores were posted on the .22 Police course with 30 shots at 25 yards.

Harvey Ingalls won the center fire short national match course event with a score of 260.

Try-Outs Scheduled For Winter League

Tryouts for CRA's winter league baseball team will be held at 1 p.m. Sunday (Aug. 29) at University Heights Playground, Manager Pete Beyrer announced this week. The team will take part in Industrial League play at San Diego.

FIRST NIGHTERS—Among audience at opening night performance of Drama Club's presentation of "Night Must Fall" was this group caught looking over cast pictures at intermission, including Bowling Commissioners Mike Brooks and Jim Hayman and Mrs. Hayman (center). Cast did benefit show for Navy Hospital last night.

CRA Activities at SD

(CRA stands for Convair Recreation Association, an organization to which all Convair employees belong. Financed by proceeds from candy and soft drink machines in the plant, the association is run by a Council of employees who are commissioners of various activities. The association is run by employees for the benefit and recreation of employees.)

AEROMODELERS—J. G. Saftig, commissioner, ext. 411, Plant 2. Watch bulletin boards for special events. Meeting notices mailed to members.

ARCHERY—E. C. Generas, commissioner, ext. 344, Plant 2. Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays, 7 to 9:30 p.m. Archery instruction Saturdays at 10 a.m., Sixth and Laurel range. Equipment available.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Wednesdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner, ext. 283, Plant 1. Colonial Hall, 4567 30th St. Tuesdays: 7:30 p.m., adult beginners (fox trot, beginning Latin); 8:30 p.m., advanced adults (fox trot, waltz, tango). Wednesdays: 7:30 p.m., adult beginners; 8:30 p.m., advanced Latin. Thursdays: 7:30 p.m., adult beginning ballroom; 8:30 p.m., teen-age dancers' party (50c). Contact Mrs. McGrath at AT 2-0975 or Martha Woodberry, ext. 1245, Plant 1, for further information. Juvenile Classes—Saturday morning classes in tap, acrobatic and ballet now being re-formed. For information or reservations call Mrs. McGrath.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 273 or 1796, Plant 1.

BOWLING—Mike Brooks, ext. 430, Plant 2; Jim Hayman, ext. 273 or 1670, Plant 1, commissioners.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 541, Plant 2. Darkroom open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m., for club members only. Regular meetings second and fourth Mondays each month, Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1536, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse.

CHORAL CLUB—W. A. Vogel, director, ext. 1111, Plant 1.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. First meeting of fall session, 7:30 p.m., Thursday, Sept. 2, Dartlee Hall, 3680 Sixth Ave. Auction and trade, entertainment, refreshments.

DRAMA CLUB—Mark Saunders, commissioner, ext. 593, Plant 2. Club meets each Monday at 7:30 p.m., Federal Bldg., Balboa Park.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Monthly prizes for best catch of fresh or saltwater fish. File entries at Employee Service, both plants, before 5th of month following catch.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. No meeting in September.

GOLF—Russ Osgood, commissioner, ext. 1028, Plant 1.

GUN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Regular shoot, Aug. 29, Valley Gun Club, Gillespie Field, El Cajon. Large bore rifle event plus novelty "Deer Shoot" at 8:30 a.m., special "Doubles" trap and regular skeet events, 9 a.m. Free swim, Gillespie pool, 10 a.m. to 12 noon for club members, their families and friends.

HORSESHOES—W. C. Gilchrist, ext. 788; Kurt Klein, ext. 1205, Plant 1, commissioners.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Glacier Garden each Thursday. Classes: Adults, 6:30 to 7 p.m.; beginning children, 7 to 7:30; intermediate children, 7:30 to 7:45; advanced children, 7:45 to 8 p.m. Children's pre-tests with ribbon awards on first Thursday each month. Continued skating to 10:30 p.m. without extra charge.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MOVIES—Will start Friday, Sept. 10.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club meets second Sunday of the month, 9 a.m., San Diego Police Range. Convair employees invited to join San Diego Police Revolver Club shoot fourth Sunday of the month.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Next meeting tomorrow night, Thursday, Aug. 26, 7:30 p.m. in Club Headquarters on Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 295, Plant 2. Complete club facilities moved to Palomar Stables, Friars Road, Mission Valley. Friday night classes, intermediate and advanced, English and Western, 7:30 p.m. Adult and teen-age classes to be re-organized. Moonlight and breakfast rides monthly. For reservations call Palomar, Cy 6-9658.

ROCKHOUNDS—Jack Benedict, ext. 270 or 396, Plant 2; Dan Whorton, ext. 426, Plant 1, commissioners. Classes Mondays and Wednesdays, 7 to 9 p.m. Second shift class, 12:30 to 2:30 p.m., Mondays. Regular meeting second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

SKIN DIVING—Bob Hutson, commissioner, ext. 465, Plant 2. Club meets fourth Tuesday of each month, 7:30 p.m., CRA Clubhouse.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 273, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commisioner, ext. 1245, Plant 1. Jerry Wright, president, ext. 1706, Plant 1. Club meets first and third Fridays each month, 7:30 p.m., CRA Clubhouse.

SQUARE DANCING—Larry Roth, ext. 585, Plant 2; M. A. Stutz, ext. 259, Plant 1, commissioners. New beginners class to start Tuesday, Sept. 14, American Legion Hall, Fairmount & University Ave., at 8 p.m. Advanced dancing will resume Thursday, Sept. 16.

STAMP CLUB—Jack Benedict, commissioner, ext. 270 or 396, Plant 2. Club meets first and third Thursdays each month, Room 10, Conference Bldg., Balboa Park.

SWIMMING—For Convair employees, their families and friends, second Saturday of the month, 7 to 9:30 p.m., Mission Beach plunge.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily in CRA Clubhouse, Mondays through Fridays.

TENNIS—Dick Collier, commissioner, ext. 1621, Plant 1. Annual plant singles championship tourney starts 1 p.m., Saturday, Aug. 28 at Morley Field. Phone entries to Collier, or Martha Woodberry, ext. 1245, Plant 1. Deadline 5 p.m., Aug. 26.

WATER SKI—Joe Harris, commissioner, ext. 610, Plant 1 (second shift).

Thornton Noses Out Defending Champion at SD To Win Annual Plantwide Chess Tournament

Newcomer W. C. Thornton of Dept. 522 downed defending champion A. E. Munson, Dept. 6, in the annual CRA Chess Club plant-wide tournament which closed August 11 at Convair-SD.

Munson finished second and Norman Nippell of Dept. 6 placed third in the tournament which started in January and ran through July.

Other players in the order of their final standings were Sam Johnson, Julius Singer, Chan Kettner, Julian Medina, Herschel Eppenstein, J. Ray Crothers, Lou Kelly, Joseph Winokur, Cliff Jorgensen, W. C. Thornton, Jr., Price Keeler, Henry Salisbury, L. G. Rubenstein and Eugene Walder.

CHESS CHAMPIONS—Chan Kettner, president of Chess Club, presents plant-wide tournament trophy to winner W. C. Thornton while A. E. Munson, right, second place-winner, and Norman Nippell, third-place winner, look on.

NEW QUARTERS—Photos show Palomar Stables area in Mission Valley to which CRA Riding Club is shifting main activities. In background is highway "cloverleaf." Route to stables requires driving on Highway 395 to turnoff onto Friar's Road. Barn beside is for rental horses. Lower photo shows boarder barn.

Ride Club Moves to New Hqs. at Palomar Stable

Lock, stock and stirrups, the Convair Riding Club at San Diego this month moved into new quarters at Palomar Stables.

Located on Friars Road, Mission Valley, the stables are easily reached from Highway 395 just north of the Mission Valley cloverleaf, according to Marc Beresford, Riding Club commissioner.

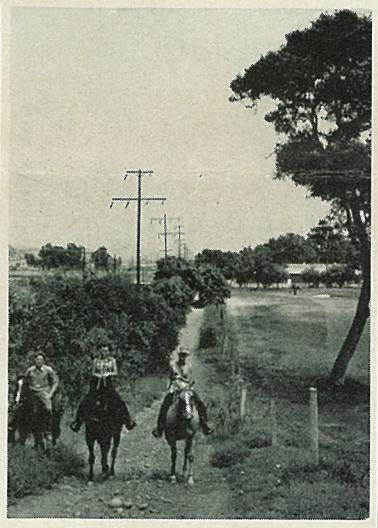
"We feel that the stables are centrally located and are within quick driving distance of any point in San Diego," Beresford said. "All activities of the group will originate at Palomar in the future."

Facilities at the stables include excellent rental horses at nominal rates to CRA members, special boarding rates for privately-owned horses, a well-lighted arena, a clubhouse, picnic grounds, barbecue pits and an abundance of good trails.

Monthly moonlight trail rides and breakfast rides will now start from the new riding headquarters and all future club meetings will be held there.

"We will start organizing our fall riding classes in the near future," Beresford said. "Meanwhile, our regular Friday night class will continue to meet at the location at 7:30 sharp."

Reservations for horses or participation in group events may be made by calling Palomar Stables at CY-6-9658.



Bridle trails include such paths as this, beside golf course.

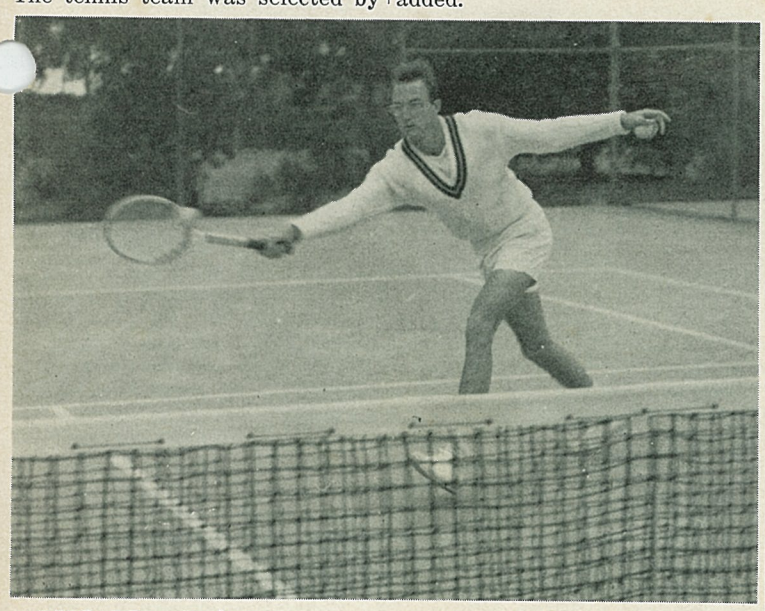
Entries Will Close Tomorrow For Early Rounds of Net Meet

First guns in the annual plant-wide singles tennis championship at Convair-SD will be fired this weekend at Morley Field.

An elimination tournament will be held at 1 p.m. that day, with the winner and runner-up earning places in the semi-finals against the six-man CRA tennis team. The tennis team was selected by an earlier elimination tournament.

Entries must be made before 5 p.m. tomorrow (Aug. 26) by calling Commissioner Dick Collier, ext. 1621, Plant 1, or CRA, ext. 1245, Plant 1.

"If there are six or more women entering, we will hold a special women's singles event," Collier added.



REPEATER—Dick Collier, perennial Convair-SD tennis champion, ten days ago won the 1954 San Diego industrial title by defeating Bill Nelson, Dept. 6 SD, in the finals, 6-1, 6-3. Next SD tennis event will be Aug. 28 when unranked players compete for places in plant championship draw in which Collier doubtless will be top seed.

Ledesma Wins National Title

Convair-SD now has a retired national junior weight lifting champion among its ranks. He's Richard Ledesma of Dept. 14-1.

Ledesma (Convairiety, May 19, 1954) won the Southern California and California State middleweight title in competition early this year. He then entered the national junior championship late in June at Tucson and won over a field of 20 men in his class (165) by lifting a total of 750 pounds.

"I retired from competition right after that and plan to stay out for awhile," Ledesma said. "However, I may try again in competition in 1955."

Convair-SD Team Wins Soaring Event

Flying as a team, Convair-SD's Sterling Starr and Duke Mancuso (both of Dept. 6) captured the national club event in the recent 21st National Soaring contest held at Elsinore.

W. S. Ivans, also of Dept. 6 at SD, finished fifth in the overall individual standings. He flew his glider 140 miles from Elsinore to a point near Blythe.

Mancuso and Starr entered as representatives of the Associated Glider Clubs of Southern California and nosed out the nearest competitors for the top team spot. They finished 16th in individual standings.

Sports

New Links Club For SD Will Hold Own Sweeps

An extra golf sweepstakes event per month is in the offing for par chasers at San Diego, thanks to the efforts of the newly-formed Convair Golf Club.

"Beginning in October, the Club hopes to stage one sweepstakes each month in addition to the regular CRA sweepstakes," said Club President Art King. "However, we will have to limit entry to club members only."

The Golf Club is open to any Convair employee and his family upon payment of a small membership fee ($2.50 per year or $1.25 through December). Membership cards are issued at any of the club meetings held at 7:30 p.m. the first Thursday of each month at CRA Clubhouse.

"We would like to have every golfer at Convair-SD as a member and especially women and youngsters," King said.

"Our aim is to promote golf and to help secure additional courses in the San Diego area for the average golfer."

Emphasis Upon Sportsmanship Gains in Convair Little League

By making "how they played the game" more important than winning or losing, Convair-SD's Little League this season, in the opinion of coaches and parents, has reached a new high in success.

Something of an innovation in baseball where the "big razzberry" has always been popular, the "new look", however, has brought more pleasure to the young players and less heartbreak in defeat, without affecting clean competition. At least, so the CRA sponsors feel.

"The shift of emphasis has been gradual over the years," Pete Beyrer, CRA commissioner for the Little Leaguers, explained.

"It grew out of a lot of little incidents such as this one. Several years ago a youngster made an error in a crucial game. The crowd—and even some of his team-mates—were mighty heartless in condemning him. The boy suffered deeply, when there was no reason for more than temporary chagrin.

"Now we try and place the emphasis upon learning the basic fundamentals of the game, the proper way to catch and throw, how to play the different positions, proper footwork, the rules, how to protect themselves, and most important of all — good sportsmanship.

"We want them to feel the thrill of competition and play hard and clean, but we don't want them to feel that defeat is disgrace or that the goal is victory at any price.

"In the long run, winning or losing a ball game is unimportant. The important thing is to have played. And that goes for any sport."

As with most CRA activities, the Little League operates thanks to a lot of volunteer help. Probably in no other, however, do so many (some 60 Convair youngsters and their families) owe so much to so few (Beyrer and a staff of five coaches).

The coaches are longtime baseball players themselves, some with distinguished professional careers. They devote two afternoons and a Saturday morning each week during the season to coaching the boys. This season they were: Dick Evilsizor, John Murillo, Willie Rivas, John Montejano, Ray Reinagel, doing their jobs under the eye of Beyrer, himself a former pro ball player of note.

★ ★ ★

A Mother's Tribute . . .

★ ★ ★

The following was excerpted from a letter to J. K. Field, Convair-SD employee service supervisor, written by Mrs. John Dougherty whose son was chosen for the 1954 Little League sportsmanship award:

"I can find no words to express my appreciation for your kindness and thoughtfulness in allowing my son to play in the Convair Little League for the last two years. My heartfelt thanks goes to you, to Pete Beyrer, Dick Evilsizor and the others around you . . . It is my belief that the cooperative work of all those involved . . . will pay dividends in integrity, character growth and adjustment to the world for all the boys fortunate enough to have had an opportunity to play . . .

"As a mother widowed since the war, my job of raising my son has been lightened and helped immeasurably by the influence of teamwork and teachings of good sportsmanship introduced to all the boys of the Little League. Thank you again for all the good you have done for the parents and the children . . .

"The award of the trophy for good sportsmanship to Johnnie has been an important milestone in our little family group. It has given my son the wonderful feeling of belonging to a group where he has definite responsibilities of his own. I think the effect will be long lasting and influence him during the important growing-up years of his life."

TOP SPORTSMAN — Yankee Centerfielder John Dougherty of Convair-SD Little League, shown with trophy he received for sportsmanship. Competition for honor was very close this year. Award winner is chosen from among number of boys nominated by team coaches and is based on conduct during season.

"At my age Daddy, were you a swoon boy or the wolf type?"

are among the champions when it comes to long-distance missions.

"Aethera Nobis" is the motto of the Sixth Bomb Wing of the Eighth Air Force. Literally, this means something like "the air for us." Or, a loose translation might be "the skies are ours," although what translation the wing uses is not known.

"Sight with Might" is easy enough. It's the motto of the Ninety-ninth Reconnaissance Wing of the Fifteenth Air Force,

and proved to be the center of attraction for two days.

First turboprop transport built in America, the Turboliner made a number of 30-minute demonstration flights around San Diego. Passengers included members of the press, radio and television, Convair officials and engineers and airline representatives assigned to Convair.

Manufactured at Convair SD from a modified Convair-Liner Model 240 airframe, with Allison engineering test flights.

Now engaged in an extensive cross-country demonstration tour, the Turboliner has carried more than 1,500 passengers in demonstration flights including the 100 who took part in the two-day demonstration at San Diego.

Now equipped with two Allison 2,925 horsepower T-38 turboprop engines, the Turboliner has a maximum speed of 345 miles an hour with an average cruising speed of 315 miles an hour.

crews and wings and to continue the competitive spirit developed within the Strategic Air Command."

Convair to Observe Labor Day on Sept. 6

All Convair employees will enjoy a holiday Monday, Sept. 6, in honor of Labor Day.

Only those employees notified in advance will be required to work.

	...e also has many old automobile manuals and
	counting the many hours of work, of course."
	...My safety glasses ARE on straight — it's my ears that are crooked."

and navigation" last week (Aug. 30).

dancing space for those who attend.

carport between the rest rooms and the clubhouse has been out-

"Are you budgeted for this call?" "Telephone talk isn't cheap!"
"Fewer and shorter calls will cut communications costs!"

Tired Fingers Lead To New Type Tool And $360 Award

(For picture, see page 5.)

Weary fingers provided incentive for W. H. Dean to put an idea into action.

His idea—in the form of an Employee Suggestion—was good enough to merit a $360 award for the FW modernization employee.

Dean works on electrical harnesses for SAM-SAC B-36s where hundreds of boggles are used to keep wires in place. A boggle is a tiny sponge rubber wire-holder. Around the rubber is a metal clamp. To open and close the clamp, Dean had to squeeze with his fingers.

"That gets old after a short time," said Dean. "So I worked on a pair of pliers I had and ground them down to fit the boggle clamp. It worked fine."

Dean showed his new-type pliers to his foreman. He thought the idea was a good one. Next came the ES which was accepted and put into use.

More than a hundred pairs of the specially-designed boggle pliers were ordered with a substantial saving in man-hours for modernization crews.

"Dean's Employee Suggestion put his department over the top for their ES quota," said Walter Bradley of industrial engineering.

"But with only two months left in 1955, many other departments still have a long way to go to meet their quotas."

Score Complete SD Course in Speaking

A score of Convair SD executives have graduated in a second class in "effective speaking" offered under the Executive Development Program at San Diego.

They have been attending two-and-a-half hour, once a week sessions for 12 weeks with Bob Smith as instructor. Graduation ceremonies were held at Bali Ha'i with a dinner meeting which wives attended. Each graduate made a four-minute talk.

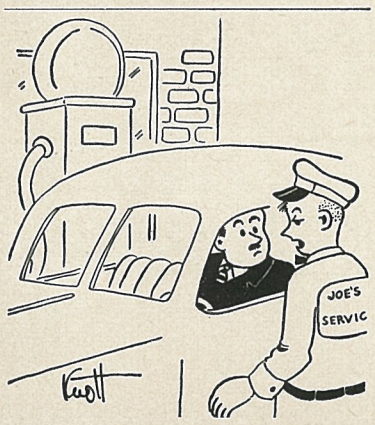
T. W. Wills, administrator of the SD executive development program, said that the students all showed remarkable improvement as a result of the training. It was a voluntary course.

Material Dept. Dance Will be at El Cortez

Tickets were on sale this week at Convair San Diego for the annual Christmas party sponsored by SD material department. It will be held Saturday, Dec. 17 in the new ballroom of the El Cortez hotel, 9 p.m. to 1 a.m. Vic Distad's orchestra. G. F. Thatcher is committee chairman. There will be door prizes and a buffet dinner.

C-131Ds TRANSPORT INDUSTRIAL EDITORS

The Air Force relied upon Convair planes for transportation when 75 industrial editors from leading aviation concerns were taken on a tour of Air Materiel Command installations last month. Two C-131Ds were used to transport the group during the three-day trip. Bryan Weickersheimmer of the **Convairiety** staff at San Diego represented Convair. Also present was G. Haynes Davies, editorial division manager for Canadair.



"Sure, I'm new here, but we still don't charge batteries. 'Cash' is our motto."

DESK-BOUND—Joe Mernik, security chief for Convair colony at Edwards AFB, handles a football again, but this time just for camera. He is former Minnesota star. Mernik is "grounded" for the moment, incidentally. Broke his leg in a fall from a ladder at his home.

Tip From Harmon

Convair's Joe Mernik Recalled As Minnesota Gridiron Great

Mutual admiration in a pair of gridiron greats came to light during the annual "Sports Night" program staged by the Convair San Diego Management Club late last month.

Tom Harmon, twice all-American at Michigan, was the main speaker. During a question and answer session he elaborated on some of the toughest games and players he faced. He singled out the 1940 Michigan-Minnesota game as one of the hardest.

"We completed more passes, gained more yards, made more first downs and moved fairly easy outside their 15-yard line. But we lost 7-6," Harmon said. "One of the main reasons we lost was a back named Joe Mernik. He ran like a truck, tackled like a bull dozer and kicked the extra point that beat us."

Mernik, now chief of Convair's security detail at Edwards Air Force Base, remembers the game well.

"Harmon was the greatest football player I ever faced," he said. "He could run, pass, kick and block. And he had the best change of pace of any player I've ever seen."

Winning athletic laurels was old stuff to Mernik by the time he entered Minnesota. At Edison High in Minneapolis he played basketball, football and baseball and made the "all-city" team in each sport two years. He captained all three teams in his final year and made "all-state" in basketball in addition to winning the northwest region middleweight boxing championship.

He lettered in all three sports at Minnesota and also won the collegiate middleweight boxing title.

Mernik played both quarterback and halfback for Coach Bernie Bierman but perhaps gained his greatest fame place kicking. He missed only one kick in his last two years of competition and once completed a field goal from 45 yards out. His place kicking proved the margin of victory in the 1940 games against Michigan (7-6), Northwestern (13-12) and Wisconsin (23-20) which helped Minnesota win the mythical national championship.

Following wartime service in the Air Force, Mernik turned down several offers from professional football teams to become an investigator with the U.S. Border Patrol prior to joining Convair in 1950.

THREE EXECUTIVES FROM SD COMMUTE TO COURSE AT UCLA

Three Convair San Diego executives are among 50 from various industries in Southern California enrolled in a two semester, once a week executive training course at UCLA.

The students are Al Morgan, assistant SD plant manager-operations, Carl Uhden, SD chief of material, and Robert R. Hoover, chief design engineer at San Diego.

The course is sponsored by UCLA School of Business and the Extension service and includes work in a variety of subjects from economics and statistics to business policy and administration phases. The trio, who drive to Los Angeles every Tuesday afternoon, attend class and return that evening, were selected for attendance as part of Convair's Executive Development Program.

Four SD executives graduated from the course last year: C. F. McCabe, G. A. Covington, J. H. Famme and John Doig.

CONVAIR MAN'S 1926 PONTIAC QUALIFIES HIM FOR HORSELESS CARRIAGE SET IN TEXAS

(For picture, see page 5.)

New model automobiles are "just transportation" to J. H. Kenner of Convair Fort Worth's Dept. 94.

For excitement he will take his 1926 Pontiac.

It was the first Pontiac model made, is high and boxy (there's enough room in the back seat for a six-footer), has wooden spoke wheels—and still runs.

"It runs, but when we take it out there is sometimes a doubt as to how far or how long," Kenner commented.

Kenner has been active in the "Horseless Carriage" Club with his Pontiac but finds it increasingly difficult to both drive and dress the part. The Pontiac needs reupholstering (and old time fabric is hard to get) and high button shoes, derby hats and other items of horseless carriage costuming don't last forever.

"You have to be constantly on the lookout for 'spares,' and they get scarcer and scarcer."

(Kenner is interested in forming a horseless carriage group within Convair Fort Worth and anyone interested may contact him at CI 6-3336 after 4 p.m.)

Toastmasters' Club Installs Officers

(For picture, see page 5)

New officers were installed at the October meeting of the Convair Toastmasters' Club at San Diego.

The new officials with department number in parentheses include: J. J. Ireland (8), president; J. Lew (6), executive vice president; M. L. Sweeney (522), educational vice president; C. Campbell (6), secretary; R. Nicholson (28), treasurer; and M. Clayton (6), sergeant-at-arms.

JIM HOPKINS SPEAKS FOR COLLEGE CLASS

J. F. Hopkins, manager of office services at Convair SD, was a guest lecturer for an office management class at San Diego State College last week. He spoke on the "Application of Electronic Machines in Industry."

Role of Plastic Parts in Convair Airplanes Grows in Importance

(For picture, see page 5.)

Plastics, once associated chiefly with toys and novelties, have earned more important jobs in the past few years in Convair sonic and supersonic aircraft and guided missiles.

Because of their light weight, strength and durability in a variety of forms, plastics are now replacing certain types of metals previously used in aircraft and missile construction.

For instance, plastics constitute about four per cent of the weight (empty) of the new twin-engine Metropolitan transport (Model 440) being produced in quantity for foreign and domestic airlines at Convair San Diego. This represents over 1,100 pounds.

Supersonic aircraft such as the Air Force's F-102A also have many components made of plastics such as the radome, main canopy covers, fin tips and other internal and external parts.

"You might say plastics are just reaching their adolescence, having been adapted for aircraft use primarily since the close of World War II," said H. H. Rosenbaum, plastics engineer at Convair SD. "Present and future developments in the heat resistant qualities of plastics suggest even more widespread use of these materials in high-speed craft of various types in the near future."

Because of their extremely pliable nature, plastics can be shaped into certain types of ducts and other parts more easily than metals. Too, maintenance required on plastic parts is very low when compared with metal.

Probably one of the most widespread uses of plastic today is as an adhesive used in the "sandwiching" of certain types of metals. Aircraft firms are using more and more of this type material because of its light weight.

September Contest Brings Four-Way Tie

Convair San Diego's continuing safety contest ended in a four-way tie during September with F-102 primary and final departments (30, 72, 252, 258) under Supt. F. H. McLaughlin leading the way with 166,465 man-hours.

Also posting perfect records were material departments (4, 14) under Manager B. P. Gibbons, manufacturing control department (22) at Plant 1 under Chief T. F. McAleer and electronic and armament departments (250, 350, 355, 375) under Supt. F. B. Kemper.

'Immerscope' Placed in Service at FW To Find Flaws With Sound Waves

(For picture, see page 5.)

The "inside story" Convair employees look for around Col. 64-T at Fort Worth is not prompted by mere curiosity.

Instead, it's the "inside dope" on the makeup of metals destined for supersonic airplanes. And the way they get it is a kind of X-ray "hearing" device that outdoes even the comic strips' Buzz Sawyer.

To get technical, it's known as "ultrasonic immerscope inspection" to assure that the internal structure of the metal is the way it should be.

To get untechnical, this means that they use sound waves to search for flaws—although the sound is not heard by the human ear. And the "immerscope" business is an invented word to suggest that the process involves dunking the metal in water. Which it does.

"It's a new type of non-destructive testing," said E. G. Cauthen of fabrication inspection. "It means you test the inside of a piece of metal without tearing it apart."

A piece of metal to be tested is placed in a large "bathtub" filled with water. A movable carriage with an ultrasonic probe passes back and forth over every inch of the piece. The water helps assure good contact between the metal and the probe.

The probe passes sound waves through the metal and waves bounce back and forth. When they hit a vacant space or flaw in the metal, the depth is automatically computed and recorded. All in a split second.

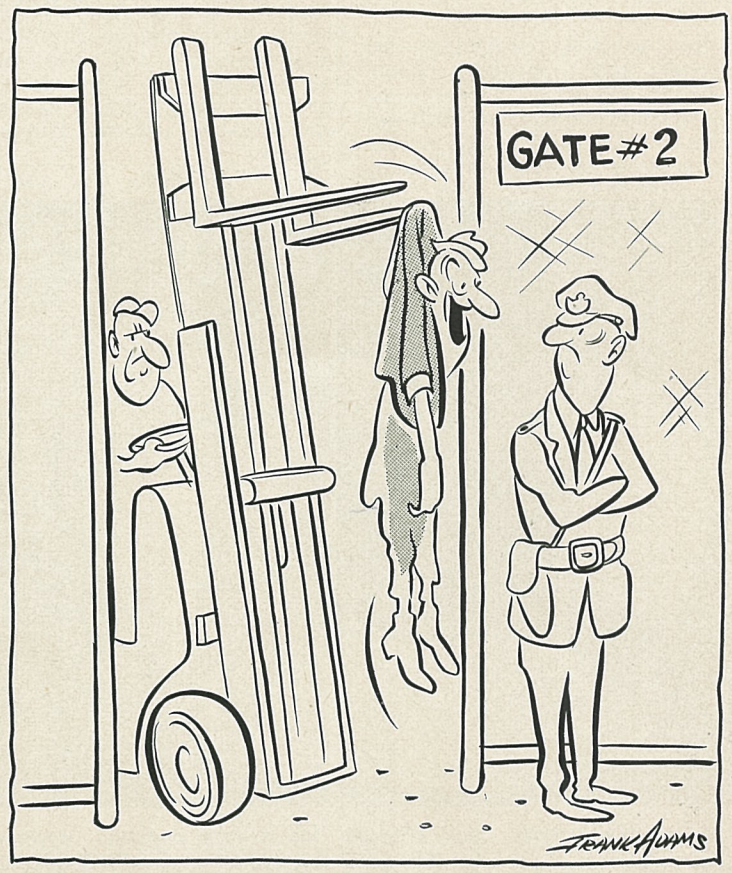
"There are no limitations on what can be tested with the immerscope," said Cauthen. "Anything that will fit in the tank—of any metal or shape—can be tested effectively."

Pickard Reelected Federation Chairman

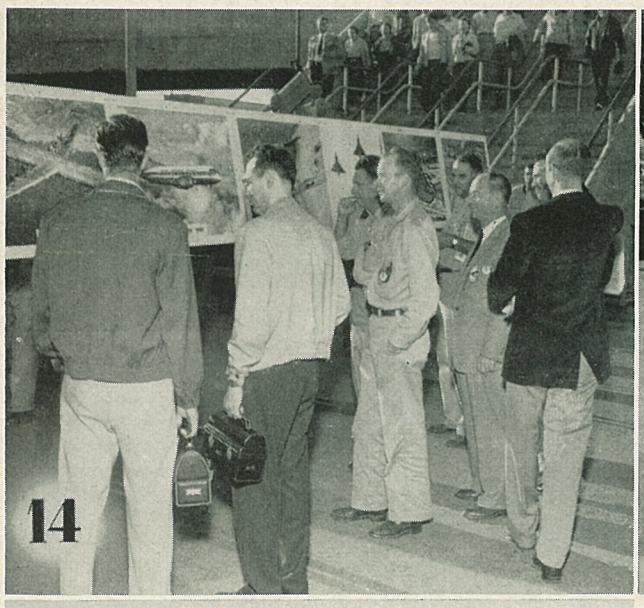
Frank Pickard, secretary of the Convair San Diego Employees Con-Trib-Club, was re-elected chairman of the Employees Con-Trib Federation in San Diego last week.

The federation was organized to assist employee groups such as Convair's Con-Trib-Club in carrying on their work of equitably distributing volunteer charity contributions from members.

During the past year the federation has grown from an initial membership of 10 organizations to over 60.



"Jokingly I told the fellows in my department that I had the measles."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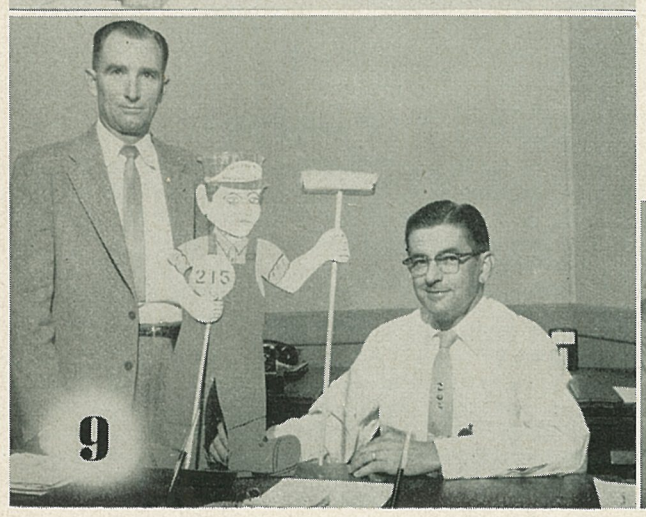
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(1) For outstanding record in Savings Bonds buying at Convair Pomona, Gillis Carter of California Bank, local bond chairman, presents Treasury Department pennant to C. F. Horne, Pomona manager.

(2) B. G. Reed, assistant manager at FW, signs over SC-54 prototype to Capt. V. R. Hardisty. Plane is first of series to be converted for rescue work. At extreme right is E. W. Fedderson, project engineer, and at left is V. Dolson, development manager.

(3) New apparatus at FW, involving suction cups, makes handling aluminum sheets easier, with less danger of damage. Demonstrating are H. Ray and W. L. Threet.

(4) J. H. Kenner of FW modernization tinkers with his "horseless carriage." It's a 1926 Pontiac. He hopes to interest other Convair FW "old car owners" in a club.

(5) This was Convair display at Plastics World Fair in Los Angeles recently in which visitors were shown use of plastics in airplane manufacture. In foreground is H. H. Rosenbaum, SD plastics engineer.

(6) Inspector J. R. Johns of FW keeps close watch on screen of newly-installed immerscope. Device ferrets out material flaws.

(7) One of Convair families far from home on "foreign assignment" is that of Mr. and Mrs. Philip Smith. He is field service engineer assigned to Air Academy at Denver, Colo. Smiths are shown panning gold on a Sunday afternoon in a Rocky Mountain stream.

(8) J. Ireland of Dept. 8-4 at San Diego takes over as new president of Convair Toastmasters' Club. Outgoing prexy, right, is H. Summer of Dept. 24-1.

(9) Latest device to encourage better housekeeping at SD is this "goof off" award which Supt. Frank Blair of Plant 2 fabrication is presenting to Gen. Foreman Bob Williams, who happened to be "low man" for opening period.

(10) Speakers' table during Convair SD Management Club meeting shows D. C. Wilkens, Jr., industrial relations manager, and Eric Johnson, Plant 1 factory manager, standing, while seated are T. G. Lanphier, Jr., vice president; Tom Harmon, former football great and guest speaker; Convair President Joseph T. McNarney; and SD Manager B. F. Coggan.

(11) Convair FW Management Club also had sports night recently. Shown talking over old football times are, from left: I. B. Hale (FW chief of industrial security), Matty Bell, Lon Evans, Davey O'Brien and Lindy Berry, all of southwest conference fame.

(12) W. H. Dean had a simple idea, but a good one, recently at Fort Worth. It involved a new type of boggle pliers for SAM-SAC wiring and brought him a $360 Employee Suggestion award.

(13) Overpass No. 1 at San Diego was decorated last month with a sign commemorating Convair's 20 years in San Diego. Anniversary was on Oct. 20.

(14) Part of 20-year anniversary observance at San Diego were these enlarged photos of aircraft built at SD. Displays were at major exits.

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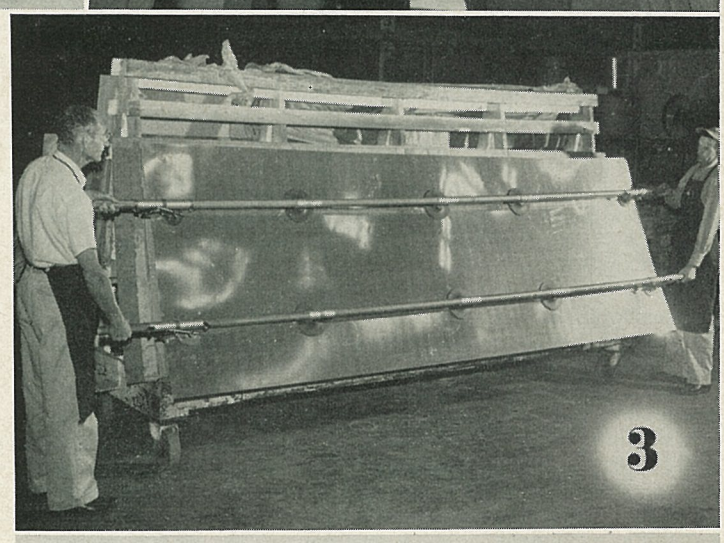
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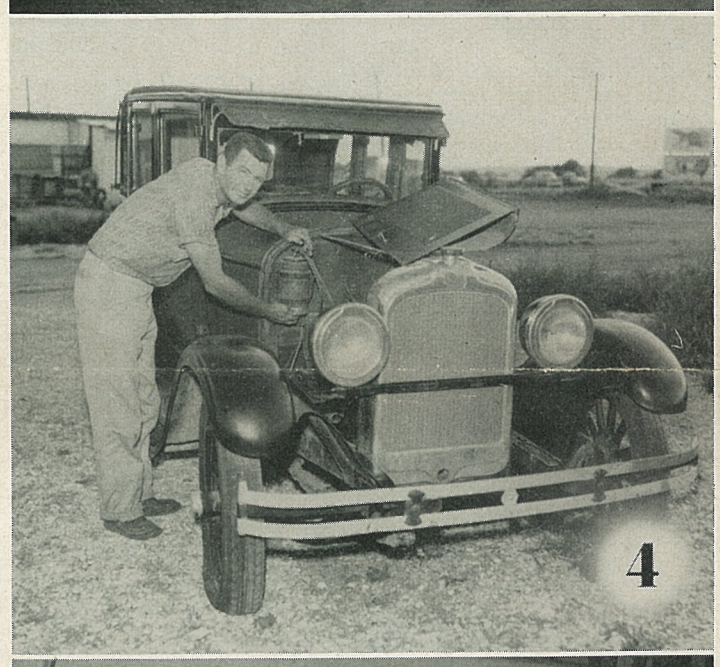
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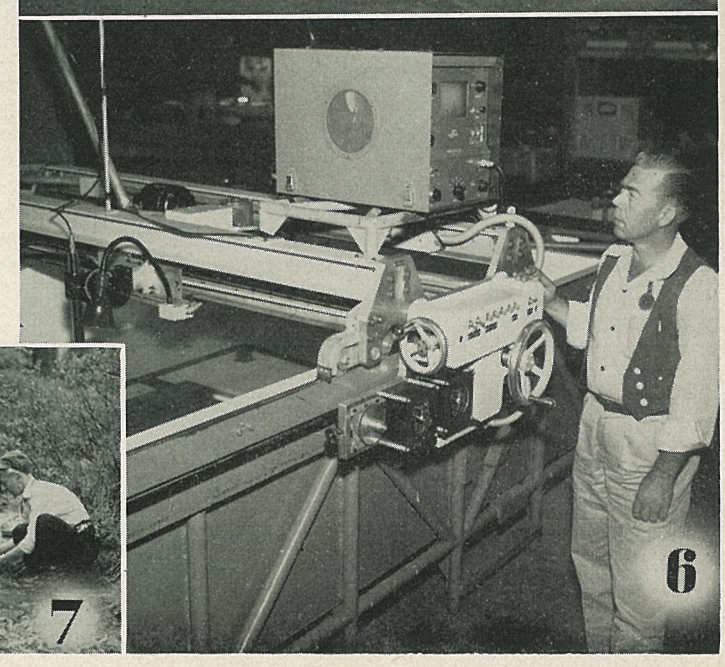
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Rivets

While honoring Convair veterans who were with the company 20 years ago, **General McNarney** was shown a Consolidated organization chart as it appeared back in 1935 and dropped this dry aside:

"Overhead is a little higher now . . ."

* * *

In the Oct. 19 issue of **Convairiety** a photograph appeared on page 5 showing **Fred Harger** of SD Dept. 403 being honored at an impromptu departmental party. The cutline described the event as his "50th" anniversary as a tool and die maker, when it should have read "55th."

Convairiety should have a longer memory, because it was Oct. 11, 1950 that we carried a story on Harger as he reminisced about how he got his first job in the year 1900, with a mining equipment manufacturer in Brazil, Ind. (Pay was $3 a week and hours were 10 a day.) He joined Consolidated Aircraft several years prior to the move from Buffalo to San Diego.

* * *

Elsewhere in this issue is a story about **Joe Mernik**, the great Minnesota quarterback who is now with Convair's group at Edwards AFB. There was one amusing sidelight that was withheld.

In 1940 at Minneapolis, Minnesota against the University of Washington, Mernik got into a terrific argument with Rudy Mucha, Washington U. center. The language they used was Polish and as referee nor umpires could savvy, the situation was disconcerting. Finally a referee's time-out was called and Mernik and Mucha were warned to speak English or be thrown out of the game!

"The Poles in my neighborhood didn't like that a bit!" Mernik recalls.

Over 4,000 Attend Engineer 'Nights'

More than 4,000 family members with relatives in Convair SD engineering attended the annual engineering "family nights" last month at Hoover High auditorium, San Diego.

Crowds were well spaced over the three evenings and programs were duplicated with SD Chief Engineer Ralph Bayless taking the main role. His talk was illustrated with lantern slide views and touched on the vast organization of General Dynamics Corporation as well as San Diego's engineering activities and their part in national defense. Two color movies were shown.

Rockhounds to Hold Exhibit

Over 20 Convair SD Rockhounds are expected to have exhibits in the first Industrial Recreation Council Mineral and Gem Show Saturday and Sunday (Nov. 5-6) at the Electric Building, Balboa Park.

Exhibitors will represent a number of Rockhound groups in San Diego and some of the most outstanding displays ever seen in San Diego County are expected, according to Danny Whorton, CRA commissioner.

In addition to display cases, a working lapidary shop will be shown along with a gem testing booth operated by Charlie Parsons, well-known local gemologist. Gems will be tested free of charge.

There is no admission charge for the show that runs from 10 a.m. until 10 p.m. Saturday and from 10 a.m. until 6 p.m. Sunday.

Whorton asked Convair rockhounds interested in entering displays to contact Hal Leppart at ext. 1635, Plant 1.

FW Nuclear Engineer Chosen For Special Seven-Month Study

Tom Louis Gallagher, Convair Fort Worth nuclear engineer, was named this week to attend a special school of nuclear science and engineering at the Argonne National Laboratory in Chicago.

He is one of only 20 in the United States and 45 in other countries who will attend the seven-month course. His appointment was announced by Andrew Kalitinsky, FW chief of nuclear research and development.

The last three months of Gallagher's study at the school, operated by the University of Chicago, will be on applied nuclear reactor theory with special studies in connection with current nuclear energy work at Convair Fort Worth.

Gallagher came to Convair in June 1954.

Simpson President Of SD Delta Divers

Tom Simpson was elected president of the Delta Divers, Convair SD skin diving group, at an October meeting held in conjunction with a picnic at Presidio Park. Louarn Hurt was named secretary and Max Keener treasurer.

Next activity for the group will be a boat trip for diving off Point Loma and La Jolla Nov. 20. Reservations may be made by contacting Simpson at HU 8-5923.

FAMILY NIGHT—Photographed at engineering "Family Night" in San Diego are, from left: Adolph Burstein, chief development engineer; Mort Rosenbaum, chief project engineer; Mrs. Rosenbaum and family; Chief Engineer Ralph Bayless; L. C. Beckett, furnishings design group engineer; and Mr. and Mrs. K. J. Bossart and family (he is assistant chief engineer).

Movie Calendar

Free CRA movies each Friday at 7 p.m., CRA Clubhouse, San Diego, for Convair employees and their families.

Friday, Nov. 4: TARA-SON OF COCHISE (technicolor), Rock Hudson and Barbara Rush.

Friday, Nov. 11: GUN SMOKE (technicolor), Audie Murphy and Susan Cabot.

Plus selected shorts and cartoons.

HONORS—In top picture, B. F. Kiegle, left, of Dept. 102 SD receives Convair SD Management Club's Mug o' the Month award for October from Bert Kemp; while, in center, John Speed of Dept. 522 receives the September Mug from G. H. Wilson, Dept. 70, right. In lower picture are H. L. "Red" Shaulis of Dept. 55, left, and Vince Cernuto, Plant 2 chief of manufacturing control, with MacSave-it awards they won.

Convair SD Speakers Appear For Clubs

Convair SD men are filling an average of two speaking engagements a week for San Diego service clubs, fraternal and civic organizations.

Operated as a community and public relations function, the "speakers bureau" lists some 25 key speakers who are prepared to address groups on their specialties. Topics range from rocketry to personnel management and how Convair is building the F-102. Requests for speakers and their assignments are handled by Jane Dulong of Dept. 2-1, division community and public relations.

Girls' Basketball Team Under Study

Girls interested in competing with CRA's entry in the Girls Industrial basketball league at San Diego were asked this week to contact Donna Pitman at ext. 1245, Plant 1.

Practice sessions will start later this month, according to Gil Crosthwaite, CRA cage commissioner.

Choral Group Adopts 'Choral Aires' Name

The CRA choral group at San Diego is now officially the "Choral Aires." The club voted on the new title last month.

Director W. A. Vogel invited guests to rehearsals (to join in the singing, or to offer comment). They are held each Monday night, 7:30 to 9 at CRA Clubhouse.

Gymkhana, Fun Show On Riders Program

Convair San Diego Riding Club will nominate officers for the coming year when they meet at 6:30 p.m. Nov. 12 at Palomar Stables. A potluck supper will be served.

The group will stage a gymkhana and "fun show" at Palomar Stables beginning at 1 p.m. Nov. 13.

CRA Activities at SD

(CRA stands for Convair Recreation Association, an organization to which all Convair employees belong. Financed by proceeds from candy and soft drink machines in the plant, the association is run by a Council of employees who are commissioners of various activities. The association is run by employees for the benefit and recreation of employees. All Convair people should feel free to join any of the groups such as are listed on this page or suggest organizations of new activities.)

AEROMODELERS—Jim Saftig, commissioner, ext. 411, Plant 2. Club meets first and third Thursdays at 7:30 p.m., Conference Bldg., Balboa Park.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1 (second shift). Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice. Novelty turkey shoot to be held Nov. 13, 9 a.m.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135 or 353, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner. Call Martha Woodberry, ext. 1245, Plant 1, or Grace McGrath, AT-2-5131, for intermediate and advanced class schedules. New beginning classes: Mondays, 8 to 9 p.m.; Wednesdays, 8:30 p.m. (all Latin); Thursdays, 8:30 p.m. (intermediate American & Latin). Teen-age classes: Mondays, 6:30 to 8 p.m.; Thursdays, 7 to 9 p.m. (practice session); Fridays, 7 to 8:30 p.m., Grace McGrath Dance Studio, 3294 El Cajon Blvd. Children's classes in tap, acrobatic and ballet, weekday afternoons and all day Saturday.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1. Girls' team being organized. Register with Donna Pitman, ext. 1245, Plant 1.

BOWLING—Mike Brooks, ext. 454, Plant 2; Jim Hayman, ext. 1670, Plant 1, commissioners. Winter leagues now rolling. Tuesday through Friday at Pacific Recreation; Thursday at Victory Lane; Friday at Tower Bowl.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meeting second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1451, Plant 1. The Choral Aires rehearse each Monday, 7:30 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Club meets second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635, Plant 1.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 234, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot, rifle, trap and skeet, first Sunday of each month at Gillespie Field, El Cajon. Annual big game drawing at Nov. 8 meeting.

HORSESHOES—Kurt Klein, commissioner, ext. 1710, Plant 1.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Skating session for Convair employees and their families each Thursday at 6:30 p.m., Sonald Ice Skating Studio, 3464 Midway Drive. Lessons available at special rates from studio. For further information call AC-2-4467.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Meetings each Friday at 7:30 p.m., House of Charm, Balboa Park. Scheduled operations first Friday of month.

MOVIES—Free movies at CRA Clubhouse each Friday, 7 p.m., for Convair employees and their families.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sundays of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Nov. 3), 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 257, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults), 7:30 p.m.; Saturdays, beginners, 9 a.m. to 1 p.m.; intermediate, 1 to 2 p.m.; advanced, 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations, call Palomar Stables, CY-6-9658.

ROCKHOUNDS—Dan Whorton, commissioner, ext. 426, Plant 1. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Tuesdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m.; Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee service, both plants.

SKI CLUB—Joe Harris, commissioner, AT-4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 1683, Plant 1. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. For further information contact Tom Simpson, HU-8-5923, after 4 p.m.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 346; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park. Second annual Nutz and Boltz Rallye, Nov. 13. Register with Bob Hutson, ext. 267, Plant 2. Deadline Nov. 11.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 507, Plant 2. Club meets first and third Thursdays, 7:30 p.m., Conference Bldg., Balboa Park.

SWIMMING—Convair swim nights at Mission Beach plunge discontinued until further notice.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Workshop sessions Tuesdays and Thursdays.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Ed Birch, commissioner, ext. 1165, Plant 1. Skiing Saturdays only. Next meeting Tuesday, Nov. 8, 7:30 p.m., Conference Bldg., Balboa Park.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Convair Wives Lead Their Bowling League

The Terriers team, made up of wives of Convair employees stationed at Edwards and Palmdale, are leading the league in the sixth week of bowling.

Donna Mae Hanks and Peggy Mulligan are tied for high series for the season with 591 totals. Lois Fish holds the season's high game with a 226.

TURKEYS PRIZES FOR SD CHESS TOURNEY

Three fat turkeys for a Thanksgiving feast will be awarded tonight (Nov. 2) in a chess elimination tournament for Convair SD chess players at CRA Clubhouse.

Dec. 17 Date Chosen For CRA Ice Show

Date for the annual CRA ice show this year will be Dec. 17 at Glacier Gardens. Tickets will go on sale (on a two for the price of one basis) later this month. The show will be the "Ice Capades of 1956."

Newcomer Takes Title As CRA Crowns 17 in 15th Annual Golf Meet

Extra hole matches were the rule in the 15th annual plant golf championship at San Diego which ended Oct. 23 with winners in 17 different flights.

Topping the list was newcomer Fred Stratman of Dept. 6, with Convair less than two months, who produced a par on the 19th hole of the championship finals to down Dick Ransdell (Dept. 37) one up. Both Stratman and Ransdell carded 76s before starting the 19th.

Almost all the finals were close. A total of five went to extra holes and of these one was a marathon undecided until the 21st. It was a comparatively small field, however. Entries numbered 129. Finals were played at Agua Caliente.

CHAMP — Fred Stratman of SD Dept. 6, a newcomer to Convair, last month took over annual Convair SD golf championship.

In the first flight, Jack Dows (Dept. 572) shot a 77 to defeat Vance Walsh (Dept. 522) 3 and 1 while in the second flight it took an extra hole before Cecil Brightwell (Dept. 403) eliminated Bud Vess (Dept. 31).

Dave Zatarian (Dept. 522) and Ralph Way (Dept. 24) were all even in the third flight after 18 holes. Both had 87s. They halved 19 and 20 before Way won the match on the 21st.

Bill Fitzgerald (Dept. 524) took the fourth flight 2 and 1 over Bob Feeney (Dept. 4-5) while George Hasti (Dept. 350) in the fifth got by Ralph Montgomery (Dept. 522) one up on the 19th. There was another close one in the sixth flight where Jack Kelly (Dept. 10-1) took a one up margin over Jack Jackman (Dept. 203). In the seventh, Fred Baebler (Dept. 28) defeated Brice Bludworth (Dept. 31) 3 and 1.

The eighth flight went to Lloyd Harris (Dept. 31) one up over Stan Womack (Dept. 522); while in the ninth Mel Stewart (Dept. 22) took the measure of Jack Viskel (Dept. 6) by the same margin.

Mel Pruitt (Dept. 528) won the tenth 5 and 4 over Lou Petrie (Dept. 28) and Ed Raymond (Dept. 24) was a 6 and 4 victor over John Graves (Dept. 31) in the 11th flight. Raymond had an 88.

Ray Brasel (Dept. 258) was pushed to the 19th hole before winning over Don Love (Dept. 6) in the 12th bracket. In the 13th flight, Craig Lent (Dept. 4) was a one up winner over Andy Simington Sr.

In the 14th flight Charles Wallman (Dept. 27) scored a 3 and 2 win over Bill Tucker (Dept. 303).

Nell Karpinsky of Dept. 27 (who would have taken the measure of a majority of the men players) carded a fine 82 to win the women's championship finals 2 and 1 over Phyllis Rehm (Dept. 10). Erva Hamilton (Dept. 6) won the special ladies' flight by default from Kitty Small (Dept. 1-6).

Six Win Honors With Photos in Contest

Convair San Diego Camera Club staged its last quarterly contest of the year Oct. 23 with Ray Smith as judge.

Ken Rinker's "Sunset," John Cates' "Horseman," and E. A. Perry's "Salt Scene" won prizes in that order in color competition. Rinker, Perry, Nancy Lyons, Ben Dalbo and Paul Lyons also won honorable mention.

W. L. Taylor won first black and white honors with his "Portrait" with his "Silhouette" placing third. Ben Dalbo placed second with "Costumed Girl."

The club has been invited to attend an opening party for the new Rohr Recreation Center Dec. 11, according to Commissioner C. E. Schultz. Reservations may be made at the club's Nov. 14 meeting which will be an outdoor night shoot.

Fall Dates Sought For SD Golf Open

Convair will continue to sponsor the San Diego Golf Open, but in 1956 the tournament will be held in the fall rather than in January as in the past.

E. F. Jones, assistant to Convair President Joseph T. McNarney, made the announcement last month and said he is seeking dates in October of 1956. A fall tournament would be more assured of favorable weather, be indicated. Of the four Opens held so far, all in January, two have been seriously affected by rain.

Parker and Zecca Team in Golf Win

Phil Parker and G. Zecca combined for a low net of 61.5 to take first in the Convair SD Golf Club's partnership event Oct. 8-9 at Agua Caliente Country Club.

Second place went to W. Nicklaus and J. Pearl with a 65, while Dick Ransdell and George Hasti finished third with a 68. Other winners included Fred Harwood and Chet Kapalla with a 68.5; John Higdon and Oscar Bell with a 70.

Three Win Guns in Special CRA Draw

Winners in a special CRA Gun Club drawing at Convair San Diego were announced this week by Commissioner Jerry Schultz.

First prize (a .12 gauge trap gun) went to L. Bentley of Dept. 403. T. E. Smith of Dept. 6 won the second prize (an Army duck tent), while Clarke Kerr Jr., son of Clarke Kerr of Dept. 6, won the third prize (a .22 Savage rifle).

"This drawing is not to be confused with the annual big game drawing open to hunters who bag big game this year," Schultz said. "Entries are still being taken in that event with the drawing for prizes scheduled to take place after the close of the present hunting season."

LUCKY LAD—Clarke Kerr, Jr., center, whose father (right) is in SD Dept. 6, holds gun he won in Gun Club rifle raffle recently. At left is CRA Commissioner Gene Horstman.

RECREATION SITE—CRA President Larry Roth, Gil Crosthwaite, former president, and J. K. Field, chief of employee services at SD, inspect site of new recreation project which overlooks Flying Hills golf course and Gillespie Field. CRA plans clubhouse, trap and skeet ranges, swimming pool, picnic area and possibly softball diamonds and tennis courts.

CRA *Sports & Recreation* Convairiety

Hundred Sports Cars Expected For 'Rallye'

Sports cars, large and small, fast and slow, are expected to converge on San Diego from throughout Southern California Nov. 13 for the second annual running of the CRA Sports Car Club's "Nutz and Boltz Rallye."

Advance entries indicate most of the sports car groups in the area will be represented. Directors of the event expect some 100 cars to be entered by the entry deadline Nov. 11. Entry blanks are available at Convair by contacting Deane Davis, ext. 1193, Plant 1, or Bob Huston at CY 8-7821. Entry fee is $1.

A drivers meeting will be held at the executive parking lot beside Bldg. 19 at 8 a.m. and cars will be sent out at a rate of about one each 30 seconds, beginning at 8:30 a.m.

The course includes over 200 miles of scenic San Diego County back country. Check points will be established at various points and manned by a crew of 50 Convair clubbers.

To afford communication between these points and the central starting point, Convair Radio Amateur Club will send a fleet of mobile radio units over the course area. The cars will also act as emergency units in case of trouble or accidents.

Emphasis in the rally has been placed on the navigator, with the tricky course arranged to tax his skills as well as those of the driver, according to Marshals Bill Gossett and Bill Lester.

Weather Reduces Water Ski Activity

Adverse weather conditions have forced water skiers at Convair San Diego to reduce their schedule of activities on weekends to Saturday only, Commissioner Ed Birch, reported this week.

The group will meet at Tierra Del Fuego, Mission Bay, from 11 a.m. until 4 p.m. on Saturdays.

Meanwhile, the group will gather at 7:30 p.m. Nov. 8 at the Conference Building, Balboa Park, to map out plans for further fall and winter activities. All water skiers are invited to attend.

Convair Hoedowners Win Costume Prizes

Costumes of every description were the order of the day Oct. 22 when the Hoedowners at Convair SD held their second annual Halloween costume dance at American Legion Hall.

Prizes were awarded best costumed couples following the Grand March. Prizes went to Betty and Maurice Beck (Dept. 9) as a Spanish senor and senorita, Jean and Gene Williams (Dept. 6) in flour sacks, and Roy and Loretta Devin (Dept. 524) as Donald and Daisy Duck.

Decoration of the hall in the Halloween motif was done by Perrie and Louise Liggett (Depts. 60 and 528). Pumpin pie with whipped cream and coffee was served under the lights of jack-o-lanterns.

SD Fans Will Skate Free on Monday Night

Roller skate fans at Convair SD will join other members of the Industrial Recreation Council in a free skate night beginning at 6:30 p.m. Nov. 7 at Skateland, Front and G Streets.

Free tickets are available at employee service offices at both plants. Shoe skates are available at Skateland for a nominal fee and clamp-on skates are free. The session ends at 9:30 p.m.

Dust Storm Fails To Stop SD Riders

Despite an unscheduled dust storm, members of the Convair Pomona and Convair San Diego Riding Clubs enjoyed a two-day camp and ride at a joint camp near Idyllwyld Oct. 22 and 23.

Craig Winner In Table Tennis

Table Tennis rode into the sports picture at Convair SD on the heels of cooler weather with a singles event staged Oct. 18 and plans for a turkey tournament Nov. 22.

Les Craig of Dept. 22 won the singles event with Ralph Cirillo of Dept. 70 second. Dee Trepanier of Dept. 603 won the consolation (Class B) bracket with a win over Louis Contreras of Dept. 60. Thirty-two players were entered.

The turkey tournament begins promptly at 6 p.m. Nov. 22 at CRA Clubhouse. Entries may be made by contacting employee services at either plant or by arriving at the playing site prior to the starting time, according to Commissioner Pete Beyrer.

The number of turkeys awarded as prizes will be determined by the entry.

CRA Baseball Club Wins One, Loses One

Convair's entry in the San Diego winter baseball season broke even in their first two starts in American League competition.

The CRA nine whitewashed Pennysaver Market 5-0 before losing a 3-1 game to the powerful Haynes Streamliner team.

Baseball action takes place each Sunday afternoon. The CRA nine will play the next three Sundays (Nov. 6-13-20) at Colina del Sol Park on 54th St., between University and El Cajon.

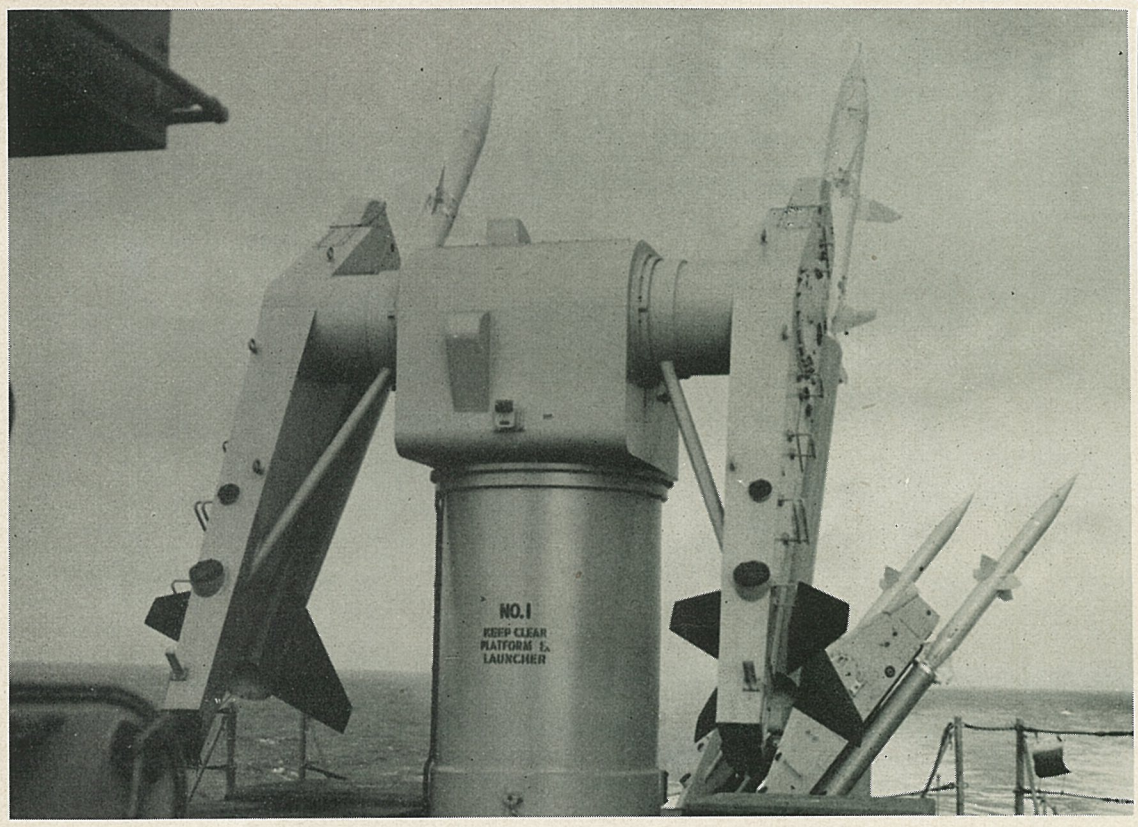
Dittmann Noses Out Oliver in Shooting

Bill Dittmann and Russ Oliver deadlocked in the Oct. 23 pistol club shoot at SD with 291 totals, but Dittmann emerged the final winner after shooting the highest score in rapid fire competition.

Oliver came back to score a 284 which was high in the .22 National match event. Second went to George Clayton, while Jim Baxter placed third.

Carl Monds topped shooters in the expert class. Bill McAdams won the sharpshooters class and Don Olson copped the marksman class in other results.

"I said FIVE."



ON GUARD!—Pictured aboard USS Boston, Navy's first guided missile cruiser, are these Convair Terrier missiles, built at Pomona. They are supersonic and designed to intercept aircraft under any weather conditions and at considerably longer range and higher altitude than conventional anti-aircraft weapons. Terriers were tested operationally in 1954 aboard USS Mississippi, nation's oldest battleship.—U.S. Navy photo.

Convair Terriers Arm Boston as First Missile Cruiser Joins U.S. Fleet

Armed with Convair-built Terrier missiles, the USS Boston, world's first guided missile cruiser, was commissioned yesterday (Nov. 1) at the U.S. Naval Base, Philadelphia and joined the fleet.

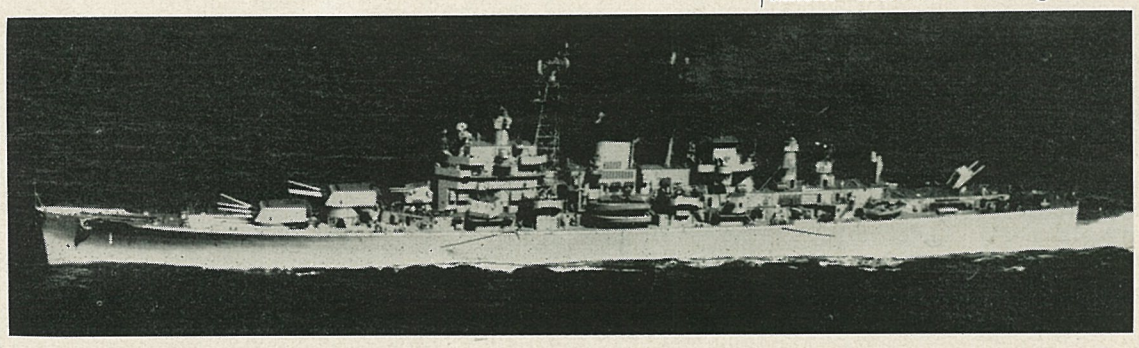
Sixth U.S. warship to carry the name (the first was a 24-gun frigate in the tiny fleet of 1776), the Boston was launched Aug. 26, 1942 and fought in the Pacific. She was decommissioned after the end of hostilities. In February, 1952 she was towed through the Panama Canal to Philadelphia for conversion as a launching platform for the anti-aircraft missile Terrier.

During conversion, the Boston's after eight-inch gun turret was removed and replaced with a twin missile launcher. Another launcher was installed on a higher level of the after deck and magazines for the Terriers were built below decks. Loading is completely automatic.

The Boston's conventional armament includes six eight-inch guns in two turrets forward, ten five-inch dual purpose guns in five turrets and 12 three-inch rapid fire in six mounts. The cruiser's standard displacement is 13,600 tons; length overall is 673 feet five inches; beam is 69 feet nine inches; speed is 32 knots.

Skipper of the Boston is Capt. Charles B. Martell who previously commanded the USS Mississippi, experimental gunnery ship from which the Terriers were first fired in fleet exercises.

Developed by the Navy's Bureau of Ordnance, the Terrier's technical direction was supervised by the Johns Hopkins University Applied Physics Laboratory, Silver Springs, Md. Currently the missile is being produced in quantity in the Naval Industrial Reserve Ordnance Plant at Pomona, Calif., operated by Convair.



NUMBER ONE—Under way off east coast is USS Boston, armed with Convair Terrier missiles. Warship represents complete new concept in Naval weapon system. Boston's designation is CAG-1 (the CA stands for heavy cruiser).—U.S. Navy photo.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

★ ★ ★

Expansion of test laboratories at Fort Worth announced.

* * *

Climbing employment at San Diego passes 13,000 mark.

* * *

One hundred public school teachers visit Convair FW for educational tour.

* * *

B-50 work shifted to Plant 2 at San Diego to make room for expanding activity at Plant 1.

* * *

James L. Kelley, veteran of early Consolidated days, returns to Convair at SD.

* * *

Extensive preparations underway for coming B-36 flight program at San Diego. Phil Prophett, Bill Harwell and W. D. Carrier Jr., after flying B-36s at Fort Worth, slated to head flight teams on coast.

* * *

First propeller arrives for Turboliner.

DEPT. 558 ADVANCES WITH A RUSH IN SD COST REDUCTION

While Dept. 255 (tubing and cable) continued to hold first place in the monthly cost reduction ratings at Convair San Diego, most notable happening during September was a climb made from 48th place to second.

Dept. 558 moved from well back in the pack to second on the strength of Employee Suggestions and Cost Improvement Proposals submitted. The department's "participation rate" was 1,860 as compared to a plant-wide average of only 435.

Dept. 220 (sub-assembly) ranked third in the standings, while Dept. 206 (special projects) was fourth.

AIIE Audience Will Hear Convair SD Men

B. F. Coggan, Convair SD manager, will speak Friday (Nov. 4) at the first annual Industrial Engineering Conference in San Diego, sponsored by the American Institute of Industrial Engineers and San Diego State College.

His topic will be Industrial Engineering—its Practical Application in Industry.

Dale Marks, chief of standards and controls at Convair SD, will be on a panel discussing work measurement. General chairman for the conference is Monroe Jones of SD Dept. 8.

AIIE has chapters in 29 different cities. Aims include improvement of industrial engineering techniques and interchange of information among members.

Visiting Engineers Will See Computer

Convair Fort Worth's 701, electronic computer, will be on display Nov. 8 when the computer group of the Institute of Radio Engineers meets at Convair FW. Demonstrations will be staged for the guests.

In charge of the program is L. E. Heizer, chairman of the computer group of the IRE. Assisting will be R. L. Hines, membership chairman, and J. W. Sanders, secretary.

Parking Lot Repaving Work is on Schedule

Work is progressing on schedule on repaving of the north parking lot, according to Frank Clayton, Convair Fort Worth chief plant engineer.

First half of the lot probably will be completed about Nov. 4, if good weather continues. Shortly after, the repaved area will be reopened for parking. Other half of the lot then will be closed for repaving.

Instrument Society Elects Convair Men

Three Convair SD men were among the officers elected at the October meeting of the San Diego Section, Instrument Society of America.

George DiMatteo was named vice president, Fred Thompson, secretary, and William Dershen, treasurer. All are of Dept. 6.

Next meeting will be at 7:45 p.m. Nov. 10 at Henry Langhorst Cafe. Convair personnel interested in instrumentation are invited to attend.

B-36 Bombing Might Dwarfs B-17 Effort

A Convair B-36 put on an impressive display of strength last month during an Air Force firepower demonstration at an Air Proving Ground Command range at Eglin Air Force Base, Florida.

As a part of the show, a World War II B-17 dropped its bombs for the 6,000 spectators and immediately afterwards a B-36 let go. The comparison was startling. The B-36 bomb load seemed to continue endlessly, covering an 8,000-foot path of destruction.

F-102 Gets 'Hot and Cold' Treatment in Florida Tests

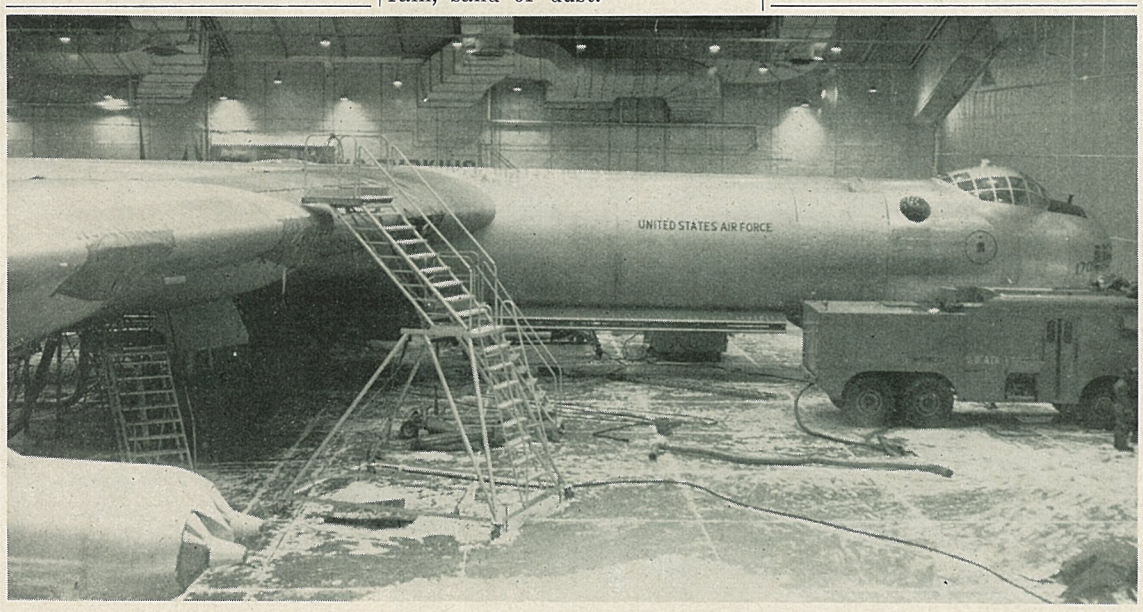
An Air Force F-102A interceptor is now on hand for a series of climatic tests to be conducted at the Air Proving Ground Command, Eglin Air Force Base, Fla.

The supersonic delta, one of the first production models turned out at Convair San Diego, is being put through its paces by the Wright Air Development Center. While Air Force crews will conduct the tests, Rommie Taylor, a Convair SD field engineer, will be on hand to offer assistance.

Scene of most of the tests will be the Air Force's huge climatic hangar which is designed to reproduce temperature and weather conditions found anywhere in the world. Some years ago it was used to test Convair B-36s.

Temperatures in the hangar can be lowered to 65 degrees below zero and then raised to 165 above within a period of 48 hours. In addition to the main chamber, smaller rooms can produce winds of up to 100 miles an hour with a combination of snow, sleet, rain, sand or dust.

Convair FW men, recalling the B-36 test program, said that when B-36 engines were started during sub-zero conditions, propellers caused the nearest thing to a man-made blizzard they had ever seen.



REMEMBER WHEN?—This picture was made some years ago when Convair B-36 was sent to Eglin AFB's climate hangar for weather testing. Currently, a Convair F-102A is undergoing similar rigorous temperature changes. Photo is from files of C. P. Harrison of flight test at FW, one of those assigned to B-36 climatic test.

GENERAL DYNAMICS' EXHIBITS PROMINENT IN N.Y. ATOMIC ENERGY EXPOSITION

General Dynamics Corporation was among 100 exhibitors taking part in New York's first "Peacetime Atomic Energy Exposition" which closes tomorrow (Nov. 3) after a two-week showing at Carnegie International Center on United Nations Plaza.

Two versions of Dynamics' successful Geneva, Switzerland, poster exhibits were on display, colorfully depicting in symbolic fashion present and future aspects of atomic energy. To further the international "Atoms For Peace" theme, the Biblical quotation "They shall beat their swords into plowshares . . ." appears in six languages, English, French, German, Russian, Japanese and Hindu.

As part of the exhibit was an eight-foot model of the USS Nautilus, the first application of atomic energy to propulsion. Dynamics' "Atoms For Peace" booklets and various other literature was handed out to the thousands of exposition visitors.

Grid 'Hall of Fame' Members Guests of FW Management Club

(For picture, see page 5.)

Davey O'Brien and Matty Bell, southwest conference football greats, were honored at the October meeting of the Convair Fort Worth Management Club.

Program Chairman L. C. Calhoun presented them with good sportsmanship plaques.

(Bell and O'Brien this year were named to the Football Hall of Fame.)

Other guests were Lon Evans, Lindy Berry and I. B. Hale, FW chief of industrial security. All were former southwestern conference players. Joe Slimski, racing enthusiast and engineering employee, was also present.

Tool Mfg. Depts. to Have Xmas Party

Tickets were due to go on sale this week for the third annual Christmas party staged by tool manufacturing departments at Plant 1, Convair San Diego. The event will be held Dec. 3 at the Conference Building, Balboa Park. Tickets are being sold through supervision.

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Convairiety

San Diego EDITION

San Diego news office: Building 32, ext. 1071

Vol. 8, No. 23 Wednesday, November 16, 1955

SAN DIEGO AND POMONA, CALIFORNIA DAINGERFIELD AND FORT WORTH, TEXAS

Ticket Sales For Ice Show To Start Dec. 1

Thirty-nine hundred tickets to CRA's fourth annual Christmas ice show at Convair San Diego will be offered to employees at both plants beginning Dec. 1, Larry Roth, CRA president, reported this week.

The 1955 show at San Diego Arena (formerly Glacier Gardens) will be the Dec. 17 matinee (2:30 p.m.) performance of the 11th international edition of "Ice Capades."

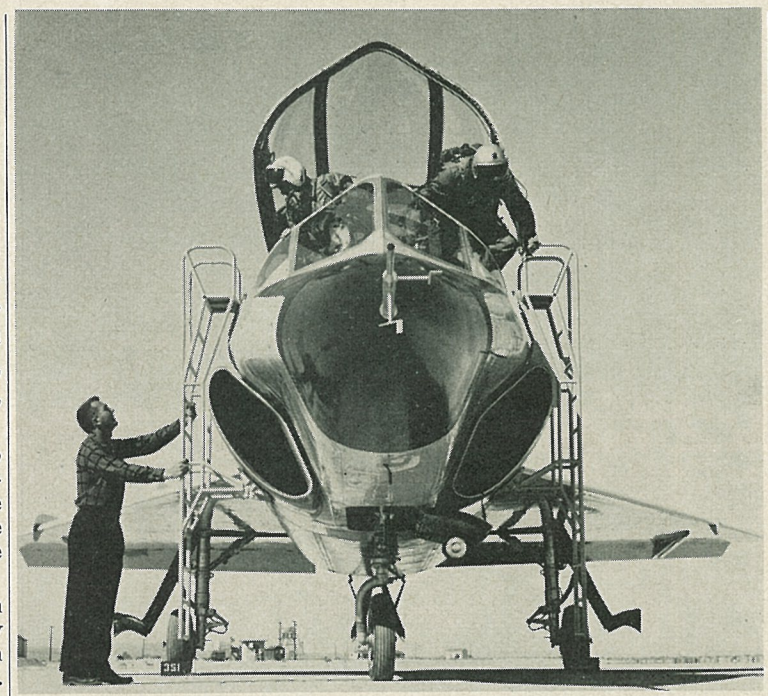
As in the past, CRA is again paying over half of the costs by offering two regular admission tickets for the price of one. Ticket prices this year are $3.50, $3, $2.50, $2 and $1. Thus an employee buying a $3 ticket gets for free another of the same price. All seats are reserved.

Several noteworthy improvements have been made in the icerink since CRA's last visit there in December, 1954. The interior has been painted and new and more comfortable seats have been installed along with other changes.

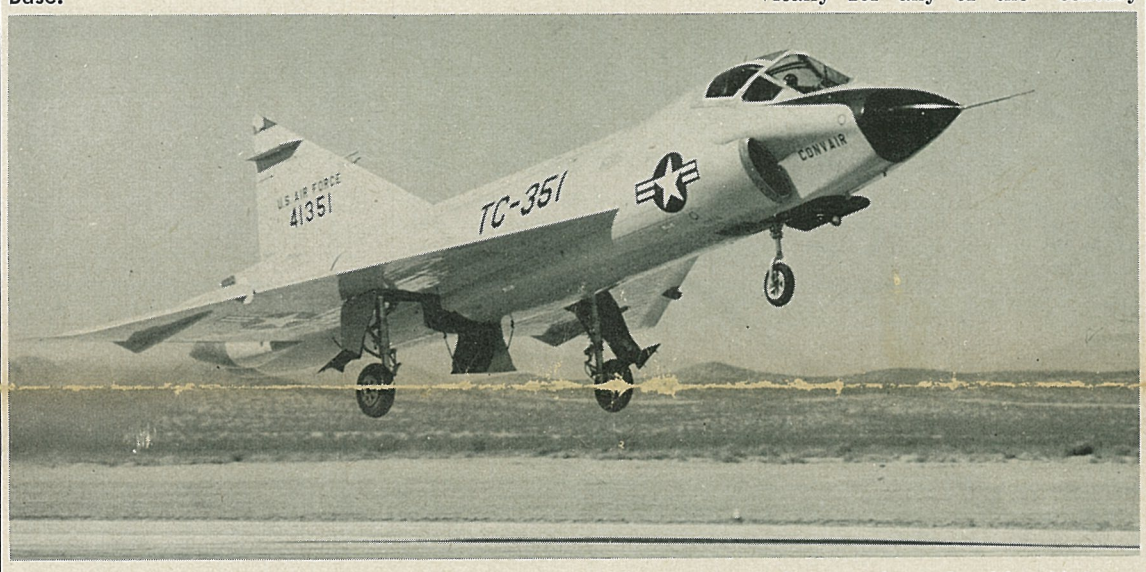
And there is now room for 2,000 cars in the new parking area!

Heading the star-studded "Ice Capades" cast this year are Margaret Field and Jimmy Lawrence, stars of the "Ice Cycles" show which thrilled CRA members last year.

There are 10 major production numbers such as "An American in Paris," "Tropicana," "Wish You Were Here," "Humpty Dumpty on Ice," and others plus 20 acts and the "Ice Ca'Pets" and "Ice Cadets."



ALL ABOARD—Two climb into cockpit of TF-102A to demonstrate its dual capacity. First ship flew recently at Edwards Air Force Base.



FIRST FLIGHT—Pilot R. L. Johnson is alone in TF-102A during this first hop. Scrubby Mojave desert hills in background.

First TF-102A Flight Logged At Desert Base

Successful first flight of the TF-102A, combat proficiency trainer version of the Convair F-102A interceptor, was announced last week.

Assembled at San Diego, but with the nose section built at Fort Worth, the ship was flown for the first time by Pilot R. L. Johnson, chief engineering test pilot on the F-102A program. He flew from Edwards Air Force Base on the Mojave desert.

Johnson was alone in the side-by-side, two-place trainer during the initial flight which lasted about 30 minutes.

The pilot commented afterwards that the trainer handles "just like the F-102A."

First trainer developed specifically for any of the "century series" of combat aircraft, the TF-102A is being turned out at Convair San Diego under two Air Force production contracts.

Both Fort Worth and San Diego plants have a role in manufacture, however. Nose sections are built in Texas and shipped to the coast for mating with the fuselages and wings.

The first TF-102A was rolled from Plant 2 at SD last month, and later was trucked to Edwards, as were early F-102s. Future TF-102As will be flown from San Diego to Palmdale, the Air Force production flight test and acceptance facility, also on the Mojave desert.

Although a trainer, the TF-102A could be flown as a fully tactical interceptor aircraft by either one or two pilots. It was designed, however, primarily to familiarize trained jet pilots with the performance of the F-102A as an integrated weapon, not as simply another jet airplane, SD Manager B. F. Coggan commented.

The trainee sits on the left side of the dual control cockpit, the instructor on the right. Each has his own basic instrument panel and controls.

(Continued on Page 2)

Spares Shipments Head Toward 10-Year Record

Shipments from Convair San Diego—chiefly of spare parts—are moving toward a new post war high, a check of volume during the first ten months of 1955 showed this week.

On the receiving end of these shipments are the armed forces, commercial airlines, individual aircraft operators, vendors and Convair bases in outlying areas. They all have one thing in common—they are now operating or preparing to operate Convair-built aircraft or they are manufacturing items that will be used on future Convair products.

Frank Field, chief of SD shipping and material stores, reported that since Jan. 1, 1955, nearly nine million pounds of freight have left San Diego.

This represents some 75,000 items ranging in size from R3Y stabilizers and F-102A wings (which require a railroad flat car for shipment) down to hand packages of small bolts and fittings.

Mounting sales of spares account for the bulk of the increase, E. F. Sherrod, chief of parts sales, reported that through October 66,240 spares items, valued at $25,815,200, have been delivered to customers around the globe.

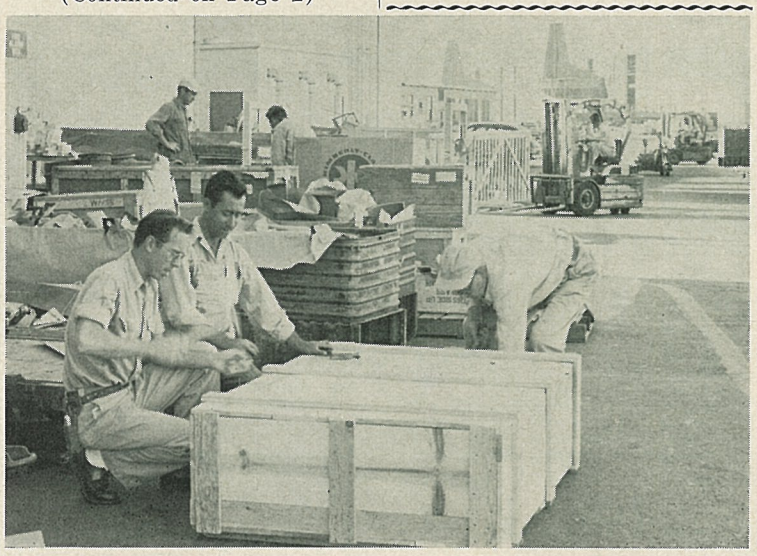
(Sherrod estimates that for every five completed airplanes delivered by Convair—or any airframe manufacturer for that matter—a sixth is delivered in the form of spares).

Probably the largest single recipient of items shipped from San Diego is the Air Force's San Antonio Air Materiel Area located at Kelly Air Force Base, Tex. This is the prime supplier of spares to Air Force units operating the F-102 interceptor, T-29 trainers and various versions of models 240 and 340.

For the Navy, bases at Alameda and Oakland received large shipments of Convair spares this year to support the Navy's R3Y "Tradewind" program as well as R4Y transport operations.

Also accounting for ever-increasing shipments are such Convair-operated bases as those at Edwards AFB, Calif., Holloman AFB, N. M., for the Air Force and the Naval Air Test Center

(Continued on Page 2)



ON THE WAY OUT—"Christmas packaging" goes on all year round at San Diego. Shipping men are shown boxing up parts that will set record volume this year.

XMAS, NEW YEAR'S WILL BRING DOUBLE 4-DAY WEEKENDS

Dates have been set for five holidays affecting Convair San Diego and Pomona between now and the first of next year.

Thanksgiving Day, Nov. 24, will be a holiday for both plants.

The annual Christmas and New Year holidays and year-end vacation days will be observed Dec. 23 and 26 and Dec. 30 and Jan. 2.

Only skeleton security and maintenance personnel, and those notified in advance, will be required to be on duty on these dates.

Dates have been set well ahead of time so that Convair people may make their holiday plans.

Hopkins Accepts National Award On Behalf of 'Dynamics Team'

John Jay Hopkins, chairman and president of General Dynamics Corporation, on Nov. 9 accepted the award of "Industrialist of the Year" on behalf of "all the men and women of General Dynamics."

"Each of these 65,000 people—scientists, engineers, administrators, office and production workers—now engaged in the creation and the defense of a better way of life is properly entitled to the designation 'industrialist of the year'," he said. "I am proud to be their spokesman."

The award was presented in New York by Gen. Matthew B. Ridgway for the Society of Industrial Realtors. General Ridgway, former Army Chief of Staff, served as chairman of the committee which selected the recipient of the award.

The award is given annually to an industrialist who has made "a most significant contribution to the industrial development of North America, in the public interest." The award was given to Hopkins as a foremost exponent of the peaceful use of atomic energy.

In an address following presentation of the award—a bronze statuette—Hopkins called for a White House conference of national leaders in industry, science, communication and commerce to formulate a program to combat Russia's current economic warfare.

The economic struggle between the free nations and the Soviet bloc calls urgently for immediate remedial action, Hopkins said. The communists, he pointed out, are now successfully using American methods in merchandising, advertising, communications and public relations to win Asiatic and African mass markets.

"I respectfully suggest," he said, "that the President of the United States, or his delegate, call the nation's industrial, scientific, business and communication leaders to a White House conference for the express purpose of formulating those specific marketing plans whereby the promise of industrial atomic ener-

(Continued on Page 4)

Test Pilots to Face Quiz by Club Tonight

Four Convair San Diego test pilots will go on the "firing line" tonight (Nov. 16) at a meeting of the Convair SD Management Club in the Balboa Park Club.

Don Germeraad, Jack Long, Dick Johnson and "Skeets" Coleman will make up a panel to answer questions about test pilot experiences submitted by club members in advance. P. M. Prophett, SD manager of engineering flight test, will be moderator.

★ ★ ★

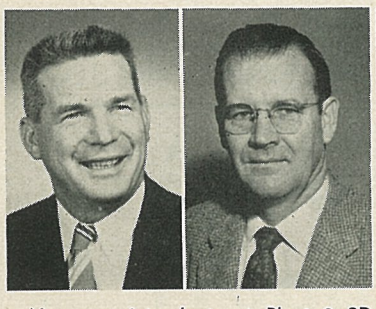
Couchman Elected New SD Club Veep

G. O. Couchman of Dept. 78 has been elected by the Convair San Diego Management Club Board of Control to serve out the term of Wayne Zook of Dept. 9 as first vice president.

Zook is ineligible for office since his election as a national director for NAF. Maynard Bjorstrom was elected to fill Couchman's post on the Board of Control.

Log Book Entries

★ ➷ ★ Promotions ★ ➷ ★



New superintendents at Plant 2 SD are H. W. Meyer, left, of tool manufacture, and O. W. Sweetland of tool planning and design.

Service Emblems

SAN DIEGO

Service emblems due during the period Nov. 1 through Nov. 15:

Twenty-year: Dept. 6, J. C. Hoover. Dept. 27-2, R. L. Sattro. Dept. 215, M. J. Wielopolski. Dept. 403, R. L. Ravey. Dept. 406, R. H. Harshaw.

Fifteen-year: Dept. 1-64, Dayton, J. V. Dickson Jr. Dept. 5, R. E. Bechtol. Dept. 6, J. O. Pike. Dept. 14-5, C. T. Neff. Dept. 15, H. M. Garber. Dept. 24-1, R. R. Sodomka. Dept. 25-1, K. L. Gardner, R. L. Lewis. Dept. 28-5, C. W. Carter.

Dept. 31, H. J. Beshansky, F. N. Greif, A. A. Perry. Dept. 40, R. W. McDaniel. Dept. 70, C. E. Hunter, M. M. Lopez. Dept. 250, J. E. Matthews. Dept. 252, Herschel Hise.

Dept. 313, A. T. Landry. Dept. 343, W. R. Mandel. Dept. 355, D. R. Wilson. Dept. 406, H. M. Nelson. Dept. 524-2, M. M. Hill. Dept. 603, J. L. Earley, F. W. Walrod.

Ten-year: Dept. 14, J. B. Thompson. Dept. 22, W. E. Love. Dept. 24, F. M. Meth, W. D. Morrison. Dept. 27, K. R. Meli. Dept. 28, E. J. Bourgeois, A. J. Gagliardo.

Dept. 55, Carle Cattani. Dept. 60, Mary M. Muir. Dept. 101, Archie Peavy. Dept. 206, E. B. Green. Dept. 250, Edith O. Barnes. Dept. 524, A. S. Page. Dept. 529, W. H. Jump. Dept. 558, F. W. Fitch. Dept. 603, J. S. Chamblin.

POMONA

Fifteen-year: Dept. 6, E. W. Young. Dept. 61, D. C. Clark.

Ten-year: Dept. 6, G. F. Vaughn. Dept. 31, C. A. Behrend.

Five-year: Dept. 6, H. W. Metzger. Dept. 31, Agnes R. Roeschlaub. Dept. 63, N. B. Phelps.

SAN DIEGO

Promotions and transfers to or within supervision effective Oct. 31:

Dept. 4-1, Material Control: To material control asst. supervisor, J. W. Jarvis.

Dept. 6, Engineering: To general foreman, C. W. Kushera. To foreman, W. J. DeConcini, T. B. Field, P. R. Lewellen. To asst. project engineer, R. Parsons. To asst. group engineer, T. H. Brunner, M. M. Sherman. To asst. design group engineer, E. H. Davies, D. N. Kahler, N. W. Reed.

Dept. 15, Parts Sales: To parts sales provisioning adm., R. W. Shaffer Jr.

Dept. 16, Customer Relations: To manager of custom relations, W. C. Keller. To customer requirements engineer, A. Jacks.

Dept. 203, Welding: To foreman, C. R. Ryan. To asst. foreman, E. D. Fountain.

Dept. 205, Metal Forming: To asst. foreman, W. L. Dueber.

Dept. 303-5, Model 8 Flight Test Operations: To asst. foreman, H. E. Pickett, C. A. Roberts Jr., R. S. Vernor, E. M. Walton, B. G. Ware, E. B. Whisenant.

Dept. 313, Holloman: To asst. foreman, W. E. Cobb. To M/C asst. foreman, C. F. Deere.

Dept. 406, Plaster Pattern Shop: To foreman, B. L. Creason. To asst. foreman, J. L. Valverde, J. C. Webb.

Dept. 529, Palmdale: To M/C asst. foreman, M. Burright.

Dept. 558, Model 7 Tank: To asst. foreman, T. G. Graves.

Dept. 603, Tool Manufacturing: To general foreman, W. D. Burk, C. L. Pogorel. To asst. foreman, D. L. Downing.

POMONA

Dept. 13, Industrial Accounting: To timekeeping asst. supervisor, P. T. Brass.

★ ➷ ★ Awards ★ ➷ ★

SAN DIEGO

Employee Suggestion awards totaled $1,583.50 for the weeks ending Oct. 20 and Oct. 27:

Dept. 4, Material: P. G. Critchett (two awards), $39.50.

Dept. 6, Engineering: M. P. Buffat, $5; W. R. Horning, $17.50 (final payment).

Dept. 10, Industrial Accounting: H. E. Dedrick, $15.

Dept. 11, Contracts: V. S. Burch, $67.50 (final payment).

Dept. 14, Shipping & Material Stores: E. E. Caldwell, $100 (partial payment); R. E. Cloud, $15; E. V. Tieszen, $63.50.

Dept. 22, Manufacturing Control: H. P. Bassett, $15; R. B. Kelly, $10; M. H. Whitney, $26.

Dept. 24, Tooling: W. C. Bowlen, $10.

Dept. 28, Inspection: H. G. Elder, $15; G. W. Overlin, $51.50.

Dept. 30, Model 8 Final Assembly: J. W. Fish, $15; C. J. Mattingly, $20; B. F. Porter, $15; T. G. Saint Sing and S. B. Holder, Jr., $9.25 each.

Dept. 31, Experimental: C. H. Stamp, $65.

Dept. 40, Model 8 Components: R. M. Ott Sr., $30.25.

Dept. 52, 340 Wing: W. R. Lucore, $10.

Dept. 55, 340 Fuselage: H. G. Bauer, $10.

Dept. 56, 340 Primary: F. D. Doris, $22.

Dept. 57, 340 Final: R. G. Lalley, $20; C. H. LeClerc and C. S. Johnson (Dept. 37), $5 each.

Dept. 60, Model 8 Wing and Tail: F. W. Ditmar Jr., $24; L. L. Marlin, $10.

Dept. 70, Model 8 Fuselage: R. L. Curtis, $20; J. T. Evans Jr., $54.25; C. H. Jorgensen and B. J. Payne, $7.50 each; C. R. Scott, $10.

Dept. 72, Model 8 Fuselage Primary: E. E. Reid and J. F. Lucas, $5 each.

Dept. 101, Sheet Metal: C. D. Duncan (two awards), $10; O. W. Perkins (three awards), $60.

Dept. 102, Sub-Assembly & Processing: J. W. Walden, $10.

Dept. 201, Sheet Metal: E. C. Alvarado, $20; C. Wright, $5.

Dept. 203, Welding: F. E. Hitchcock, $10; E. D. Miller, $5.

Dept. 204, Finishing: R. Johnston, $40.

Dept. 205, Metal Forming: H. G. Hilliard, $49.25.

Dept. 215, Machine Shop: T. E. Cox, $10; M. L. Jones, $10; P. W. Thompson, $20.

Dept. 355, Fabric & Tubing: H. L. Rarer, $10; D. R. Wilson (two awards), $20.

Dept. 401, Jigs & Fixtures: R. J. Groel, $10.

Dept. 522, Manufacturing Control: I. Corbett, $10; T. G. Evatt, $111.25 (partial payment); J. P. James, $25; C. E. Quinton, $10.

Dept. 524, Tooling: E. De Vee Lange, $10; G. M. Hood, $100 (partial payment).

Dept. 528, Inspection: H. H. Dow, $15; C. L. Vineyard, $25.50; H. V. Wilder, $10.

Dept. 558, Model 7 Tank: E. Caliendo, $62.50.

Dept. 572, Model 7 Checkout: V. H. Davidson, $25.50.

Dept. 603, Tool Manufacturing: G. F. Anderson, $15; L. E. Ward and R. D. Nowka, $22.50 each.

POMONA

Employee Suggestion awards totaled $1,058 for the period ending Oct. 31 at Convair Pomona. They were:

Dept. 4: J. B. Valleroy and R. L. Ketchum, $76.00 (joint award).

Dept. 6: M. W. Raylim, $62.50; G. B. Santo, $75.00.

Dept. 9: Irene M. Short, $10.

Dept. 13: N. J. Owen, $80.00.

Dept. 24: O. F. Dean, $15.00; J. D. Trimble, $95.00.

Dept. 25: O. D. Cates, $16.50; A. J. Flora, $28.00; R. M. Lewis, $10.00; F. Mikesell, $20.00.

Dept. 27: H. M. Burgeson, $65.00; P. J. McCaffrey, $10.00.

Dept. 31: J. A. Robbins, $10.00; E. W. Timmons, $10.00.

Dept. 42: A. J. Guest, $90.00.

Dept. 51: S. Arcide, $20.00; J. M. Densmore, $10.00; P. J. Kuchesky, $25.00; G. C. Marshall, Jr., $16.00; J. F. Richards, $10.00; O. Vallem, Jr., $36.00; P. J. Wallrabenstein, $34.00; G. O. Polsfuss, $64.00.

Dept. 52: W. V. Mouser, Jr., $10.00.

Dept. 61: Dorothy Anderson, $10.00; O. F. Pizzuti, $10.00.

Dept. 62: F. S. Peterson, $15.00.

Dept. 63: R. D. Gray, $75.00; Edith Hanson, $10.00; Maxine Nittler, $20.00.

Dept. 72: J. A. Wampler, $10.00; B. Watts, $10.00.

CIPs for the same period were:

Dept. 6: W. M. B. Haas.

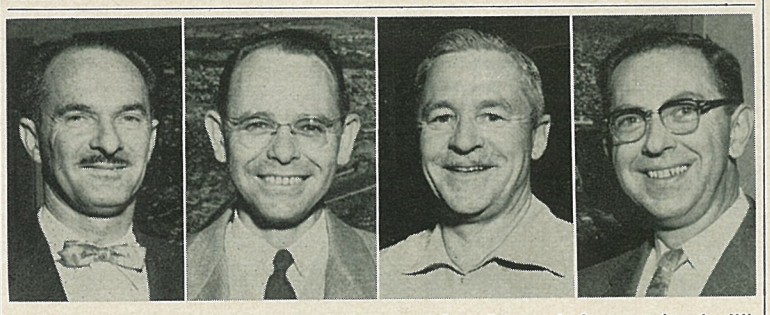
Dept. 23: Leo J. Enfield.

Dept. 25: John Halliday.

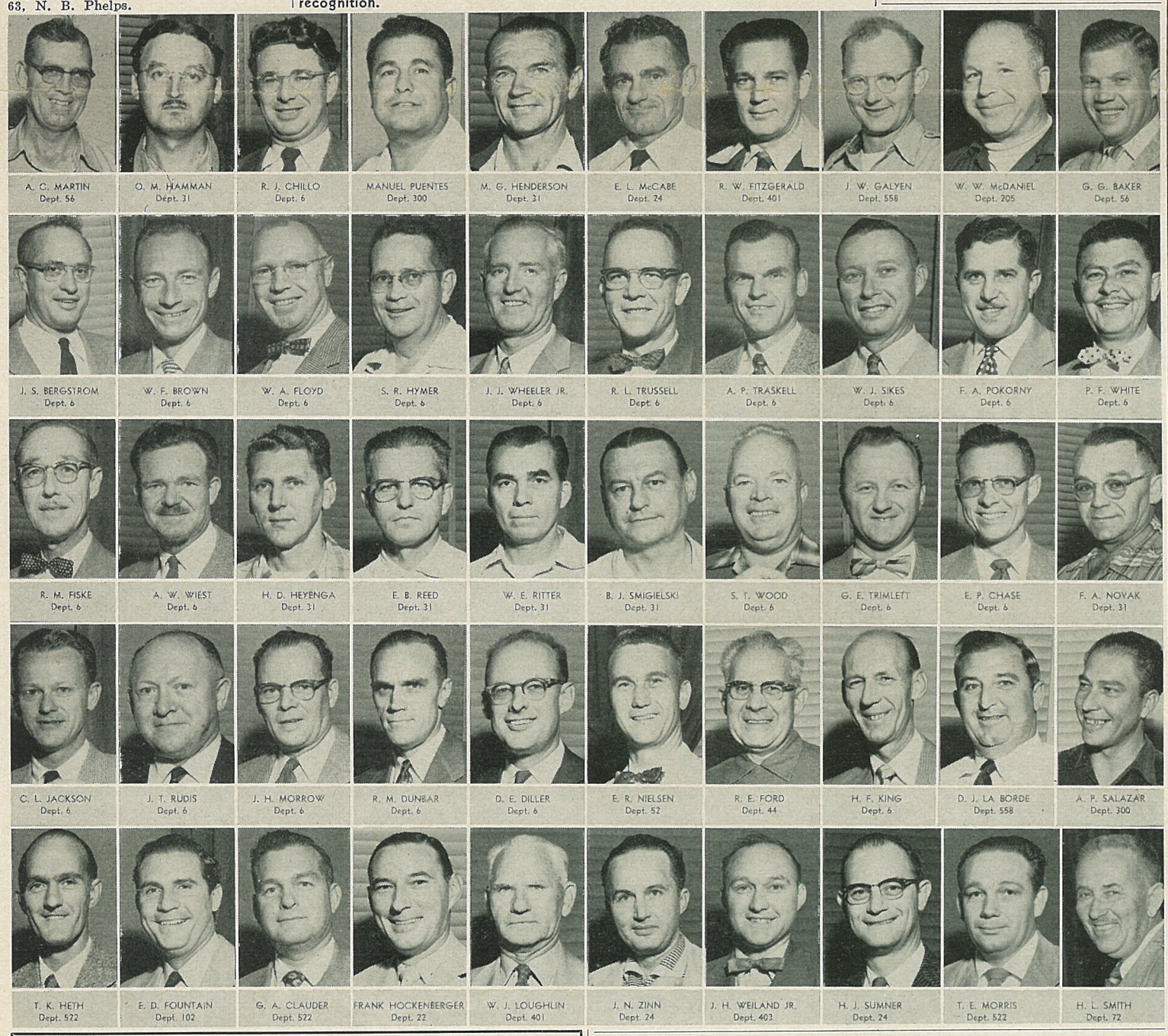
Dept. 27: R. E. Bruce (trans. to San Diego); C. A. Holkesvig.

Dept. 42: L. H. Larivee.

Dept. 53: A. L. Marker.



Above are pictured new 20-year men at San Diego. Left to right: L. W. Standley of Dept. 6; W. W. Whittier of Dept. 5; N. T. Maisheff of Dept. 355; and F. H. Sharp of Dept. 6. Below are those who recently received 15-year recognition.



First TF-102A Flight Logged

(Continued from Page 1)

Main distinguishing feature from the F-102A is a widened nose section forward of the leading edge of the delta wing. Air inlets for the Pratt & Whitney J-57 engines were redesigned in the TF and its windshield and canopy also differ slightly from the F-102A.

★ ★ ★

FW CANOPY TEST PRECEDES FLIGHT

Cockpit differences between the TF-102A and the F-102A required considerable testing in advance of the first flight of the trainer, including a "dry run" on the cockpit escape system.

Oscar Wehmanen, FW project engineer, reported that because the TF canopy is quite different from that on the F-102A—since it must cover two persons instead of one—test crews simulated an emergency and proved that the canopy could be jettisoned as efficiently in the trainer as in the production interceptor.

The escape system involves a small powder charge which literally blasts loose the latches which hold the canopy to the plane. Rather than risk damage to the actual ship, a TF-102A nose section was set up in an enclosed area near the FW engineering test lab. Crews, working with Lloyd Munson and Norman Beard of engineering, installed test instruments. The nose section was pressurized, as it is in actual flight.

The canopy and nose section were surrounded by rubber mats and nets to prevent damage when the canopy was blown loose. Gauges were placed at numerous spots to measure stress and strain. When all was ready it was H. L. Panner who actually "pulled the trigger." The canopy came off "on schedule"—in a tiny fraction of a second.

"It was a question of working out the bugs in advance," Wehmanen said. He gave credit for assistance to George Lemke (a classmate of his who heads the general design section at San Diego) and to Clark Kerr, also of SD.

Spares Shipments Heading For Record

(Continued from Page 1)

at Patuxent River, Md.

Preparation of so many items for shipment is a stupendous task in itself. To insure their arrival undamaged, shipping personnel pack each as though it were a crate of eggs. Lumber and plywood are the basic materials used and so far in 1955 nearly 74,000 boxes of varying sizes have been constructed, involving 862,386 board feet. That is enough to build 57 houses of three bedrooms each!

Paper work in shipping operations also reflects the tremendous size of the operation. Field estimates that seven tons of paper have been used in preparing packing sheets alone. Attached to the shipments have been over 293,000 tags, stickers and stencil forms.

Births

SAN DIEGO

CAMMARATA—Daughter, Peterina, 7 lbs. 12 oz., born Oct. 29 to Mr. and Mrs. Anthony Cammarata, Dept. 25.

NALL—Daughter, Julie Ann, 9 lbs. 9 oz., born Oct. 31 to Mr. and Mrs. R. H. Nall, Dept. 3.

POMONA

SIMMERMAN—Daughter, Debra Ann, 6 lbs. 6 oz., born Oct. 22 to Mr. and Mrs. R. W. Simmerman, Dept. 31.

Lost & Found

SAN DIEGO

FOUND—Large cuff link, light green stone set in silver mounting. Inquire Lost and Found, Bldg. 32, Plant 1.

LOST—Lady's small white gold watch (Cressine 400), yellow gold numerals and hands, black cord band, in ladies restroom, Col. M-109, 3rd floor, Bldg. 51. Finder please contact Ethel Calvin, ext. 1694, Plant 1.

★ Convairiety ★

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FW Editorial Offices, Col. 71-C. Ext. 5290. Mailing address: Convairiety, Convair, Fort Worth, Texas. Telephone SUnset-7311. Staff: Bob Vollmer, news editor; Sally House.

Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Elizabeth McCuistion.

★ ➷ ★ Personals ★ ➷ ★

SAN DIEGO

Mrs. E. R. Damarus and family would like to thank all of the Convair people who sent such beautiful floral tributes and messages of sympathy at the loss of their husband and father.

Deaths

SAN DIEGO

STAFFORD — James Patrick, Dept. 303-5, died Nov. 6 at Edwards AFB.

WILDE—Jack W., Dept. 6, died Oct. 27. He is survived by his wife, Ruth Wilde, also Dept, 6.

My grateful appreciation to all of our Convair friends, particularly those of the Dynamics Groups and Service Engineering, for the lovely flowers, cards and kind words of sympathy during the illness and death of Jack Wilde of Dynamics.

Ruth Wilde and family (Dept. 6)

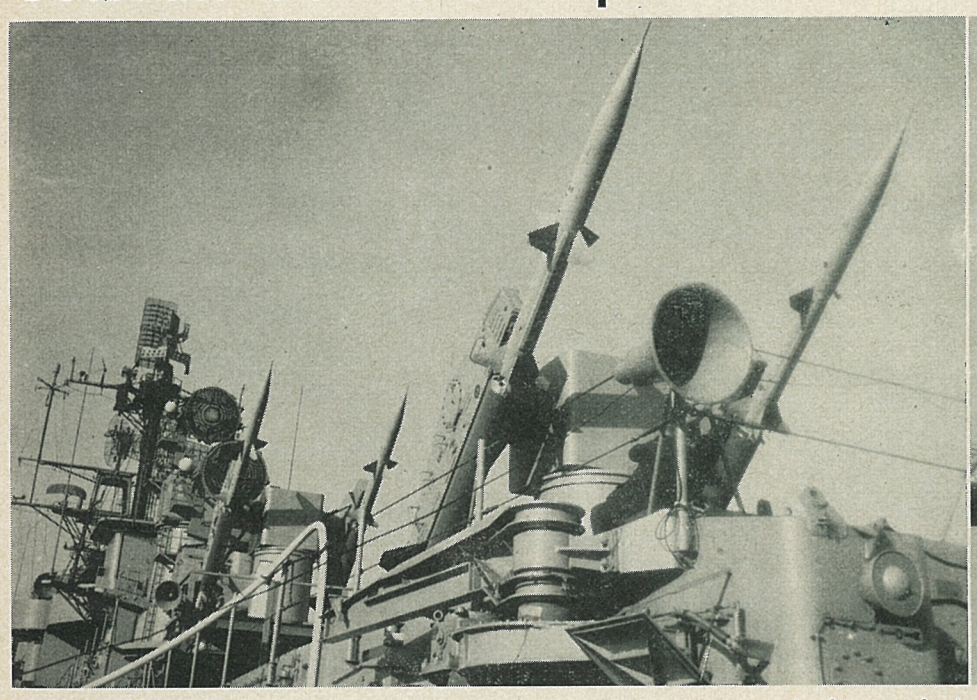
* * *

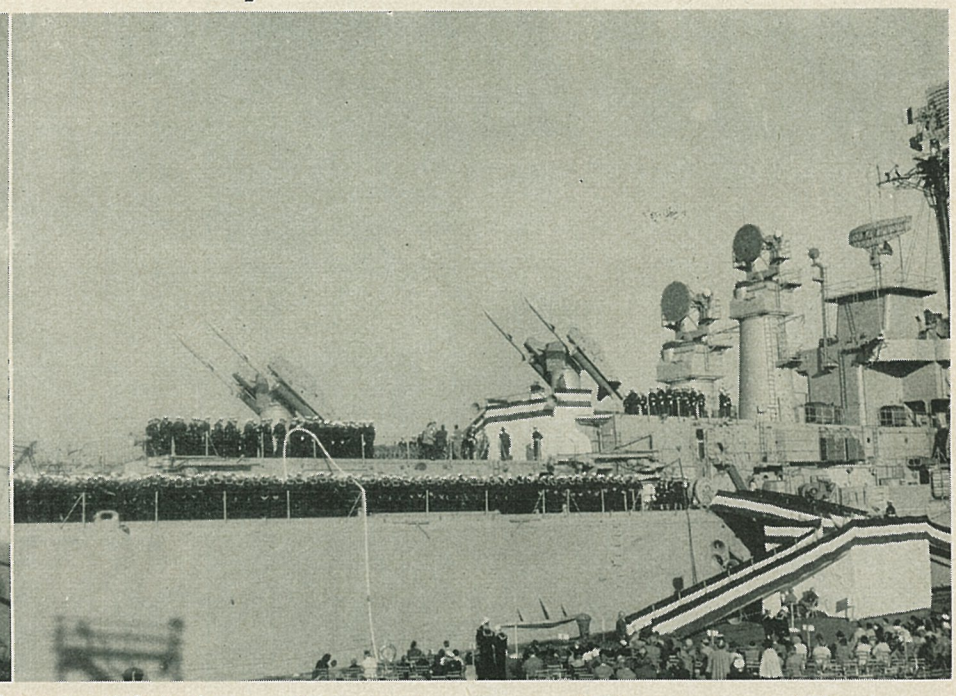
I would like to pay tribute to Convair and the many fine people, from top to bottom, who came to my aid in time of need. I am deeply grateful for the numerous offers of assistance and the post cards from such wonderful people.

Manuel Loya, Dept, 102.

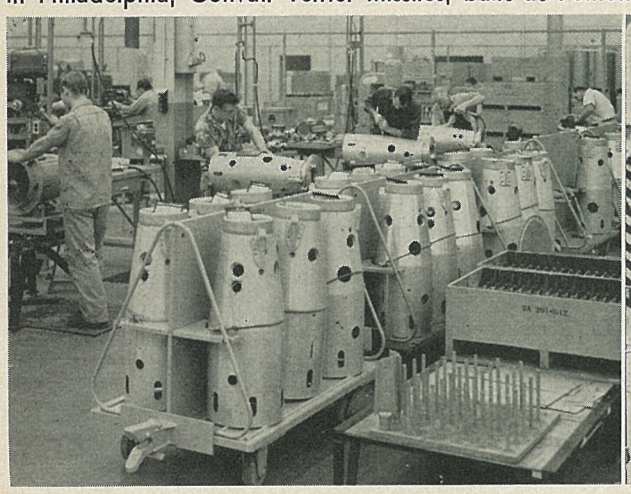
IS IT NEWS?
Call Convairiety SD
Ext. 1071

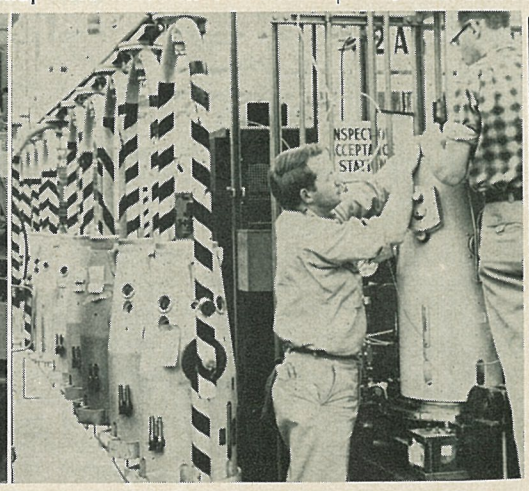
Convair Terriers Report For 'Active Duty' Aboard Missile Cruiser





TERRIERS ABOARD SHIP—During commissioning of USS Boston early this month in Philadelphia, Convair Terrier missiles, built at Pomona, were much in evidence. At top left is close-up of mounts. Press reports said Boston can put all four in air in less than a second.





TERRIERS TO BE—First under-construction photos of Terrier were released at Boston commissioning. At left R. W. Christian, Robert McElwain, J. W. Robbins, H. B. Smith and D. M. Jordon are shown working on missile's aft guidance section at Convair Pomona. At right are B. W. Follis and J. L. Clark giving sections a final checkout.

SD Engineer Meets Brother at Edwards

An unscheduled, but long anticipated, reunion took place at Edwards AFB early this month with Lou Ballou, a design engineer at Convair SD, one of the participants.

Ballou knew his younger brother, Phil, an Air Force master sergeant, was due for transfer to Edwards following a tour of duty in New Foundland. However, he didn't know when. So on each of his frequent trips to Edwards, he checked to see if he had arrived.

Ballou had just about given up hope when his brother turned up at the Convair area last month. It was the first time the brothers had seen each other in six years.

CONVAIR FW GETS TELEPHONE AWARD

Convair Fort Worth got a "90 per cent Call-by-Number" award from Southwestern Bell Telephone Co. this month.

It came because 90 per cent of the time, Convair folks placing long distance calls have the correct number they're calling, according to K. H. Dunn, FW manager of office services.

"This helps the telephone company," said Dunn. "And, of course, it saves us a lot of time in completing our calls."

The record is considered outstanding for a plant which averages about 2,500 long distance calls a month.

Supersonic Aircraft Subject For Panel

"Structural Design for Supersonic Aircraft" will be discussed tonight (Nov. 16) by a panel which will include two Convair Fort Worth engineers, L. H. Schreiber and J. J. Hosek.

The occasion is a joint meeting at Arlington State College of the Society of the American Weight Engineers and the Texas section of the Institute of the Aeronautical Sciences.

CLOSE-UP—Another view of missile in its mounts aboard USS Boston. Press reports quoted Boston's skipper, Capt. Charles B. Martell, as stating present Terrier has range of 20 miles. Although Boston is first missile cruiser, another, the USS Canberra, is being converted. It will be ready next year.

Aussie Model 340s Chalk a Record With High Daily Utilization Rates

What appears to be a record utilization rate for Convair-Liners has been reported from Ansett Airways at Melbourne, Australia.

Henry M. Bohmbach, SD field service engineer, reported that Oct. 4 marked the beginning of Ansett's second year of scheduled Convair operations and that during the first 12 months one Model 340 had flown over 3,400 hours. Their other airplane had logged over 1,800 in six months!

"Both ships flew every day and completed every scheduled flight (except for brief periods in overhaul)," he wrote.

San Diego sources said that domestic airlines have been getting excellent utilization from their 340s, some eight hours a day, but they are still behind the Australians.

"Needless to say, everyone appears well pleased with their airplanes," Bohmbach wrote.

Together the planes chalked up 10,300 engine hours with no unscheduled changes.

SC-54s, Converted at FW, Will Head For Overseas

Nearly a dozen SC-54 search-rescue airplanes will have left Convair Fort Worth by the end of this month for duty at Air Force bases throughout the world.

Delivery of the planes, converted by modernization crews, got under way Oct. 31 when Ship 1 and 2 were delivered. Ship 4 was delivered Nov. 5, and No. 3 was set to go Nov. 8.

Six more are scheduled to be delivered by end of the month, according to E. E. Finch, modernization manager.

Delivery of three of the first four ships sent the newly modified planes to "three corners of the earth."

Ship No. 1 will be based in Johnson Air Force Base, Japan. No. 2 and No. 4 went to Prestwick Air Force Base, Scotland. No. 3 went to Keflavik, Iceland.

Twenty planes are now getting the search-rescue treatment in the modernization departments. The four-engine transports are given special search and rescue equipment, new large blister-type windows and the latest in radar and electronic equipment.

They are used by the Air Rescue Service of Military Air Transport Services.

$500,000 Paving Project To Smooth FW Wrinkles

Concrete paving in the yard areas at Convair Fort Worth was getting a $500,000 face-lifting this week to smooth out some of the wrinkles and creases brought on by age and the elements.

The concrete was laid 13 years ago, according to B. D. Barber, of plant engineering. Wear, tear and weather have taken their toll, especially in the area between the assembly, experimental and hangar buildings where B-36 traffic is heavy.

So that's getting the rejuvenation.

The job begins with a pneumatic pile driver crushing the old concrete. This is dug out—22 inches deep—picked up and hauled off.

It will be replaced with eight inches of gravel and 14 inches of new concrete.

"We'd like to caution employees to be extra careful when driving or walking through these torn up areas," said Barber. "At night they could be dangerous. They're marked and lighted, but employees will have to watch where they're going."

The program will last for about six months and cover 55,000 square yards.

Planning and supervision is the job of plant engineering department with actual construction being done by a Dallas contractor.

"We especially want to express our appreciation for the co-operation of modernization traffic departments in re-assigning their work to help us get the job done as fast as possible," said Barber.

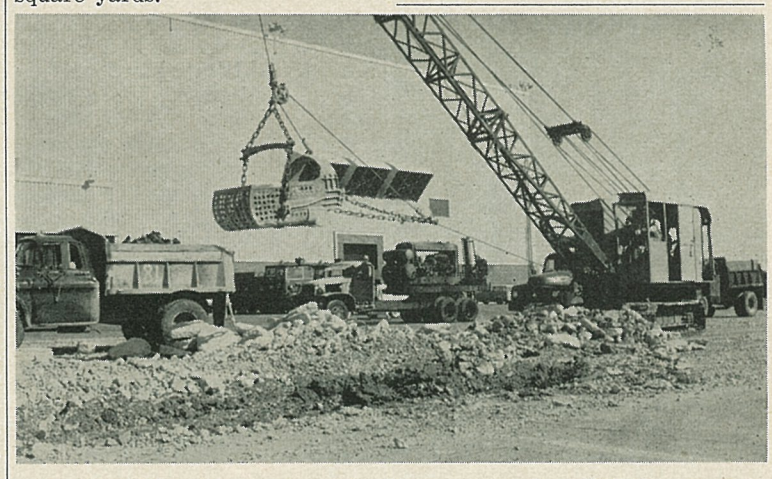
Visits to Industries Of Texas Scheduled For Convair Clubmen

Convair Fort Worth Management Club members will get an inside look at Texas industries on special tours to observe production methods in other manufacturing plants.

First tour was Nov. 12 when 30 club members visited Bell Aircraft in Hurst, Tex.

According to H. J. Borgeld, in charge of arrangements, visits are also planned to Temco, Chance Vought, General Motors, Ford, Texas Electric, Convair Daingerfield and Douglas in Tulsa.

All tours are at the individual's own expense.



HEAVE-HO—Re-paving of work areas at Fort Worth gets into full swing as concrete damaged by wear, tear and weather is replaced. Project will take about five months.

SWEET SWING—Polly Riley, widely known in women's amateur golf circles, recently joined Dept. 2 at Fort Worth. She currently holds Texas Open and Trans-Mississippi titles.

Golf Champ Polly Riley Now With Convair at FW

Several years ago a youngster of 14 entered her first golf tournament in Mineral Wells, Texas. A little nervous at first, she nevertheless won it, the Women's West Texas Championship.

She was Polly Riley, a newcomer to golf then, and a newcomer now to Dept. 2 at Convair Fort Worth.

"I never played that tournament again," she said. "And I've never been back to Mineral Wells."

But it was by no means her last tournament.

Since that time, Polly has built up a national reputation in women's amateur golfing ranks, holding several national titles.

Four times she has played with the United States Curtis Cup Team, and twice has been seeded in second place. (The Curtis team is made up of six top women amateur golfers in the country. They play in Great Britain and the United States alternately.)

On three separate occasions she has won the Trans-Mississippi tourney. She has also won the Southern Amateur five times, giving her top rank in 15 southern states. Twice she has finished first in the Western tournament. Polly has also been runner-up in the national amateur.

In addition to these honors, she has held the Fort Worth women's championship every year since 1942 with the exception of 1945.

How did it all happen? Sixteen years ago Polly decided to take up golf in a junior division of the Fort Worth Women's Golf Association.

"I liked it from the very beginning," said Polly, "and it seemed as though I had a 'knack' for the game.

"It may have been some beginner's luck—or maybe good lessons—but I did pretty well when I first started. That seemed enough incentive for me to keep up with my lessons and practice.

"I broke 100 with an 89 my first year, but that was luck. My score went back to the hundreds. In a few months, though, I was playing regularly in the 80s."

Now Polly has a handicap of zero. This means she is expected to match par on any course.

"I don't always do it," she said. "It sometimes takes a while to get used to one particular course. Like the one at Pine Valley, N. J. It's 'tricked up' and full of sand traps. It's a rough one!"

Putting is one of the strongest points of Polly's game, but it's not all rosy. She's got a hook.

"All the time," she says.

Polly has played with all of the famous professional women golfers and counts Louise Suggs as the best in the field. Polly has the distinction of being the only woman who has beaten Babe Zaharias more times than Babe has beaten her.

Why hasn't Polly turned "pro"?

"It's just a matter of how you feel about the game," she said. "I play because I like golf as a sport rather than a business."

Mop and Pail On the Way Out

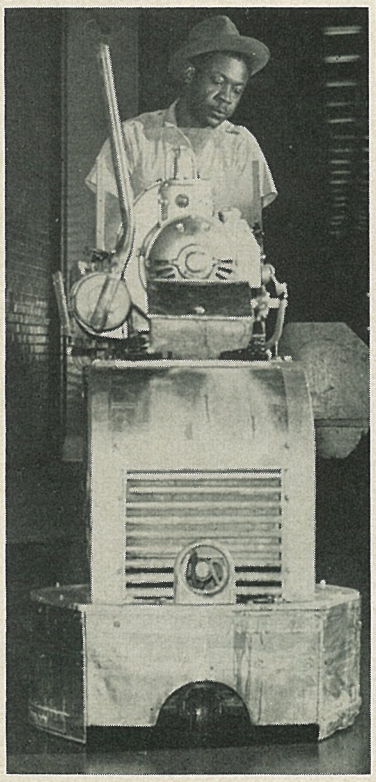
Maintenance crews at Convair Fort Worth are keeping in step with progress.

Maybe the methods of keeping Convair FW's five million square feet of floors clean are not exactly supersonic, but they are certainly a far advance over the old pail and hand mop technique.

The latest are "atomic scrub women," machines which are guided by an operator much as he would a push-cart. They squirt water and special soap and scrub the floor with revolving brushes.

"An operator with the machine can cover 8,000 square feet of open area in an hour," said Guy Nesbitt of FW sanitation, "when he would be lucky to cover 1,500 by hand mop."

However, the old method isn't gone completely. The machines are practical only in aisles and open areas. In restricted places the pail and mop are still supreme.



MECHANICAL MOP—D. L. Lott of FW's Dept. 25 operates machine that makes it easier to mop Convair Fort Worth's five million square feet of floors.

FW Depts. Diverting Xmas Card Funds To Help For Needy

Boost a family—not break the postman!

That might be the slogan for a number of Convair Fort Worth departments that plan to adopt needy families at Christmas.

The money they'd spend to send Christmas cards to friends at the plant will be used instead to help make a bright Christmas for a family that can't make it bright by itself.

Departments interested in joining the plan were reminded that this is none too soon to get started. Especially since many people already are ordering Christmas cards.

Those interested in learning of worthy families may contact E. G. Crosier in employee services section. They may obtain the names of Convair families in need, as well as those of others.

Departments which are reported using Christmas card money to adopt families include these: tooling, 24; personnel, 3; pattern shop, 82; and industrial security, 15.

Dept. 14 Alone Gets Excellent Rating in Safety-Housekeeping

Administrative services (Dept. 14) was the only department to receive an excellent rating in the safety and housekeeping inspection summary for October, T. R. Smith, safety assistant supervisor at Pomona, reported.

However, all except two of the remaining competing departments received "good" ratings. They were: material, engineering (areas 1, 2 and 3), manufacturing control, plant engineering, quality control, experimental factory, tool manufacturing, machine shop, sheet metal, processing, final assembly, electrical assembly and missile checkout and data reduction.

Receiving "fair" ratings were: sub assembly and checkout equipment maintenance.

Red Cross Asks Aid From Convair Wives

Convair wives at San Diego who can spare an hour a week for volunteer work are invited to contact the San Diego Chapter, American Red Cross.

Increased population in San Diego has taxed the existing volunteer force so that additional help is needed, especially in the field of social welfare. This includes counselling in personal and family problems, reporting and communication service, and assisting in applications for government benefits.

The Red Cross is located at 3650 Fifth Ave., phone number, CY 5-5121.

1956 Will See More Pomona 15-yr. Men

Although Convair Pomona is Convair's "youngest plant" it has some fairly senior citizens.

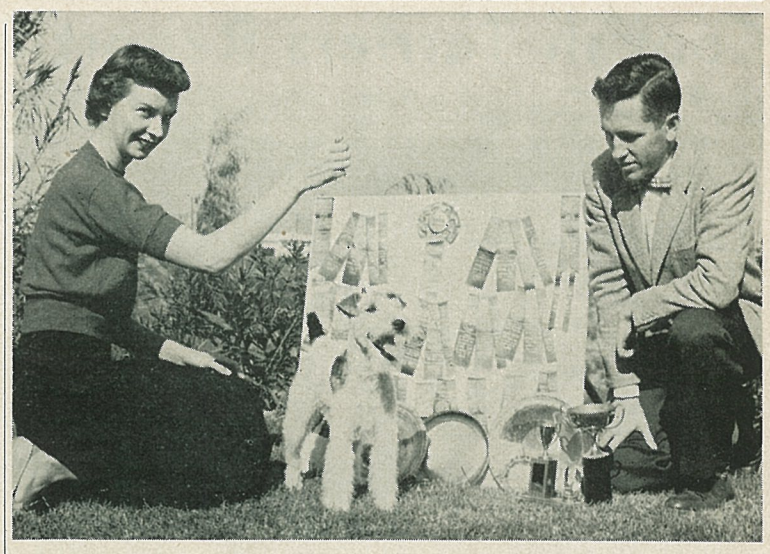
W. W. Hoyt, employment manager, predicted that during 1956 Convair Pomona will "decorate" 44 with service emblems of 15 years or more. The group includes one 25-year veteran and five with 20 years' service.

Convair Daughter, 5, Wins Baton Contest

A petite Convair San Diego daughter with a wide smile and a high step won first place in the Pee Wee division of the North Park baton twirling contest Oct. 30. She is Connie Rae Addy, 5, daughter of C. R. Addy, SD, Dept. 300. Last year she won third place in the same contest.

SD ENGINEER WILL TALK BEFORE ASME

E. L. Katz, Convair San Diego thermodynamics engineer, is scheduled to present a paper at the jubilee meeting of the American Society of Mechanical Engineers which opens today (Nov. 16) at Chicago.



SHE'S A CHAMP—Mr. and Mrs. Bob Dunn of San Diego with their terrier and trophies. Dog recently won "champion" title in record time.

Quick Ascent

Nadie Jumps to 'Majors' After Only Seven Months in 'Minors'

A two-year-old wire fox terrier owned by Bob and Lorrie Dunn (he's in Dept. 6 at Convair San Diego) is ready for dogdom's "major league" this week following an outstanding career in the "minors."

Radiant Naden or "Nadie" has been in competition only seven months but has won 45 ribbons and six trophies in that time. And she's never placed lower than second in her class!

During this period she has also garnered sufficient points (15) in American Kennel Club competition to be dubbed a champion. Which means she may now be entered in any accredited dog show across the nation. While the stakes are much higher for a champion, the competition is keener.

"We are proud 'Nadie' won her championship in such a short time," Mrs. Dunn said. "Normally, it takes two or three years or even longer."

Entering a show is not without its complications, the Dunns pointed out. Getting Nadie ready is more complicated even than dressing a teen-age daughter for a ball, for it takes about eight weeks for the dog to grow a proper "show coat." This lasts for about five weeks after which Nadie must retire from competition and wait until she is fit to be shown again.

The Dunns bought Radiant Naden from a Canadian breeder last January after she had captured honors in a show at Vancouver. Since that time she has won more than her share of shows up and down the length of California. The Dunns hope to return her to Canada early next year to win her championship rating there.

Hopkins Accepts National Award On Behalf of 'Dynamics Team'

(Continued from Page 1)

gy—of 'Atoms For Peace'—may become a reality for the peoples of Asia, Africa and the Middle East."

The United States, he continued, has not been using the techniques which it has developed for merchandising products.

"We Americans not only know how to merchandise; we now possess also in our development of peaceful atomic energy what I consider to be not only the greatest product, but the greatest product symbol in the world. I propose that American industry be permitted to aid as only it can in the marketing of that product and of that symbol."

Ernest R. Damarus Of Convair SD Dies

Ernest Rudolph Damarus, 65, Dept. 25 at Convair San Diego, died Oct. 27. He was a native of San Diego and had been with Convair more than ten years.

Surviving are his wife, Mrs. Alice Damarus; two sons, E. H. Damarus, Dept. 24; A. H. Damarus, Dept. 25, and one daughter, Mrs. Alice Maidment.

Former Convair Man Wins Honor in Army

Pvt. Robert E. Cuyle, formerly of Dept. 35 at San Diego, recently received an "outstanding student" trophy upon his graduation from the Military Police Training Center at Camp Gordon, Ga. His father is I. A. Cuyle of Dept. 115 SD.

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

★ ★ ★

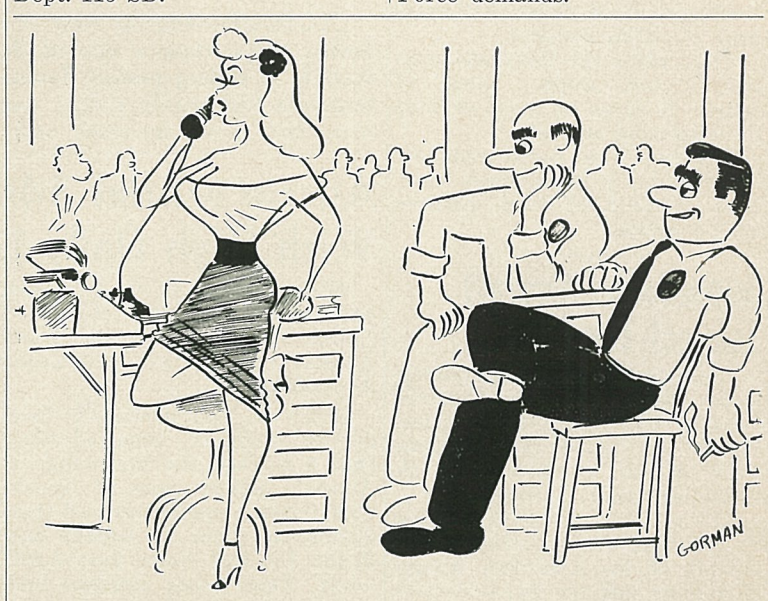
More than 6,000 attend CRA dance at San Diego's Mission Beach ballroom.

* * *

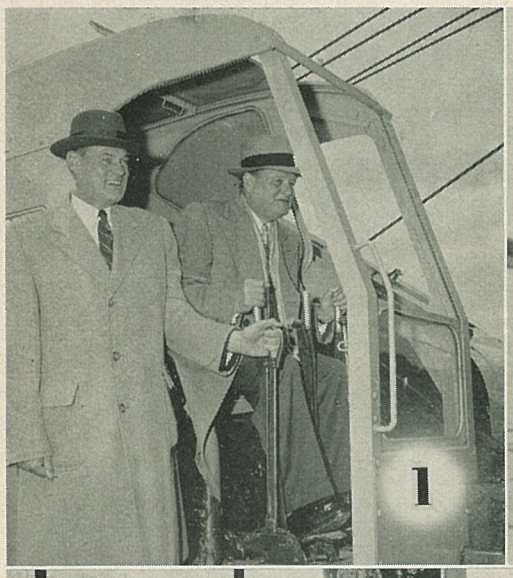
Ethiopian Air Lines' Convair-Liner model 240s are first to be JATO equipped.

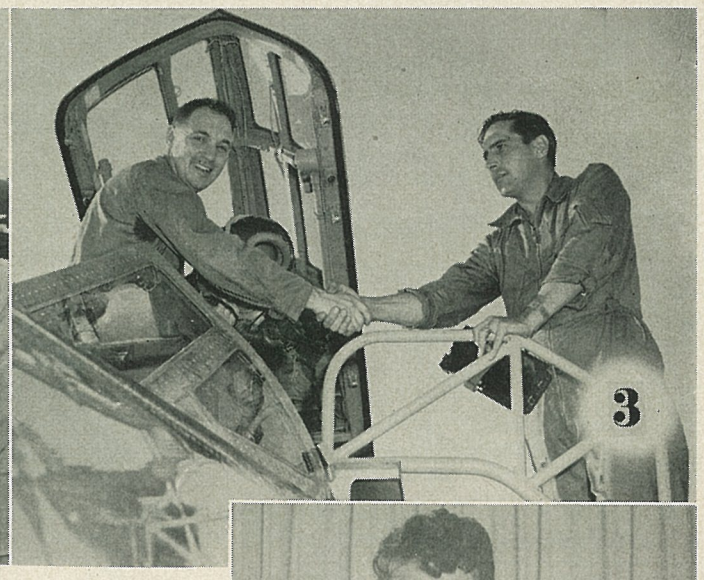
* * *

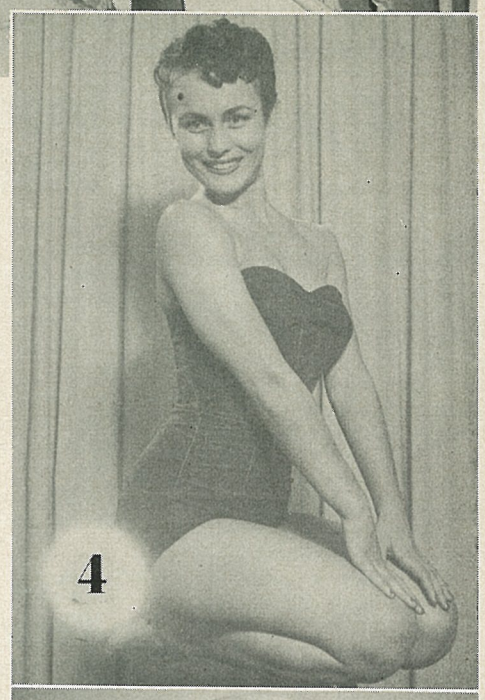
Research B-36 racks up 1,008 hours on 39 missions to prove its ability to stand up under Air Force demands.

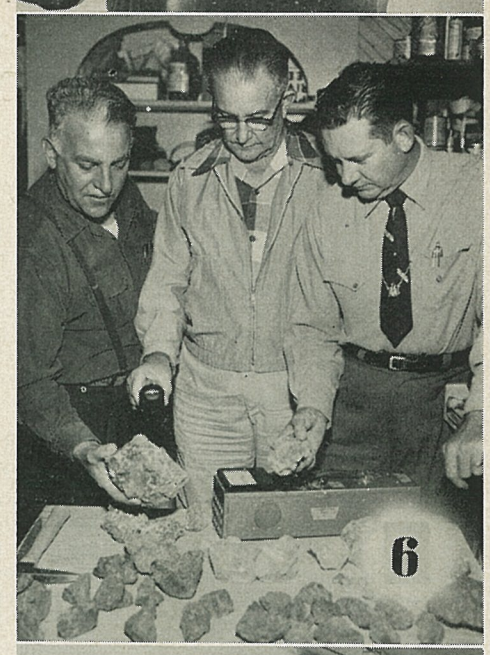


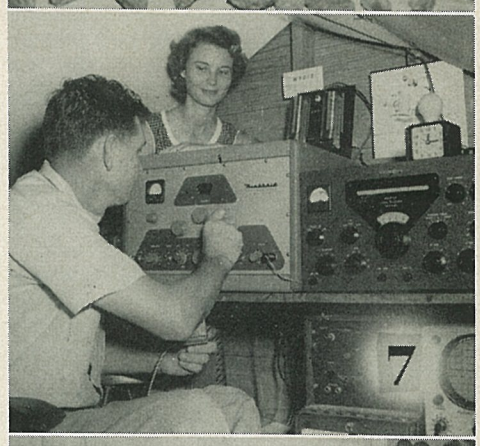
"She starts dressing like this about a week before her wage review is due."

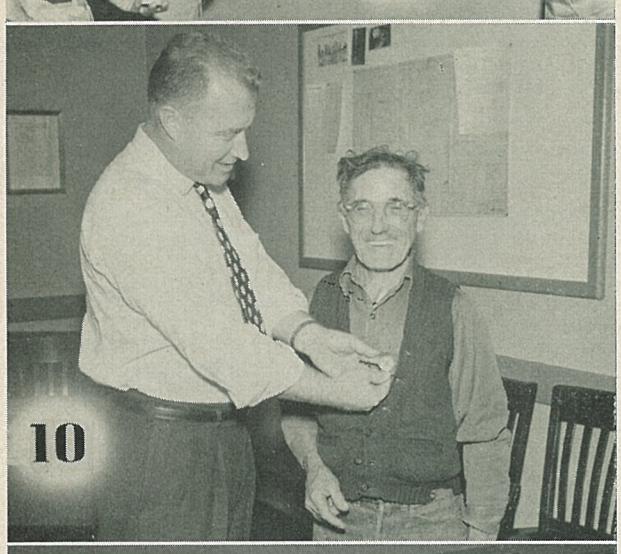












(1) John Jay Hopkins, chairman and president of General Dynamics Corporation, right, and Robert C. Tait, president of Stromberg-Carlson Division, cooperate at controls of power shovel at ground-breaking for Stromberg-Carlson's new administration building in Rochester, N. Y.

(2) Rear Adm. J. S. Russell, USN, chief of BuAer, chats with Sea Dart Pilot Jack Long during recent visit at San Diego. At right are Capt. F. K. Slason, BuAer representative at SD, and J. H. Famme, SD assistant chief engineer. Center is Lt. Cdr. Eban Leavitt.

(3) Maj. William G. Price, AMC weapons systems project officer, Wright-Patterson AFB, Dayton, is congratulated by Capt. Donald Butterfield after first flight in Convair YF-102. Capt. Butterfield is F-102 flight test acceptance officer at Palmdale, Calif.

(4) Leah Nelson, niece of Ben Dalbo of SD Dept. 9, poses for CRA Camera Club at San Diego, probably accounting for record turnout of camera bugs that evening.

(5) A trifle hard to recognize is Steve Lumnitzer of SD photographic laboratory, used by SD Lensman Bob Ries to create this strange photo, with help of half of the condenser lens from a five by seven enlarger.

(6) T. P. Norwood of FW traffic, center, looks over uranium haul produced by his son, W. B. Norwood, right, and J. O. Evans. Elder Norwood backed venture which resulted in a find of uranium and thorium in Capitan Mountains in New Mexico which they report of great value.

(7) When Daingerfield's Bob Reed took his wife along to a ham radio convention he found it paid off. His wife held winning ticket on this new receiver! Reed, an assistant research group engineer, is past president of several amateur radio clubs and is active in a Texas emergency radio net.

(8) A caravan of 18 representatives of SD tooling departments, with Supt. R. S. Watt as "guide," visited Las Vegas for a weekend recently and are shown here at dinner. Tooling men have made regular visits to various Southern California plants, but this was strictly for pleasure.

(9) Plant engineering at San Diego was cited recently by Power Magazine for "outstanding accomplishments in modernizing power-service facilities." H. A. Smith, SD chief plant engineer, is shown receiving award from James J. O'Connor of magazine. Citation was for new boiler and heating system at SD which has resulted in $109,500 savings annually.

(10) Supt. Vern Sharp of maintenance pins "Safety Observer" badge on SD's Pete Maher, whose long interest in safe practices has won him unusual recognition. It is only one of its kind.

(11) When cadets of the new Air Force Academy gather in their recreation club they have reminders of Convair surrounding them, framed photos of various Convair airplanes on the walls. Shown hanging a B-36 picture are, left to right: Cadets John E. Kieffer Jr., Chevy Chase, Md.; William A. Gillis, Winthrop, Mass.; James Reed, Ann Arbor, Mich.

(12) Los Angeles Sheriff Eugene Biscailuz visited Pomona recently and Manager Charles F. Horne, Capt. F. C. Manville, USN, Naval Inspector of Ordnance, and Homer Duffy, of Pomona Chamber of Commerce, greeted him. Horne and Manville received honorary deputy sheriff badges.

(13) Ranking executives of the Spanish airline Iberia were in San Diego recently to inspect the Convair Model 440. Present were Don Tomaz Delgado, line president, and Don Cesar Gomez Lucia, managing director. They are shown being entertained at dinner, with their families. At left is Don Carlos Cudell Goetz, Convair's representative for Spain and Portugal, who accompanied visitors to SD.

SHOW ROOM—Genive Rickman, right, and Lucille Smith look over full display at employee store in CRA Clubhouse at San Diego. Some 1,400 items are available, most of them at substantial savings.

Rivets

If you notice that **Chuck Alesch** of engineering test lab has his badge fastened on with a dog chain, don't be astonished.

Other day Chuck stepped out of the restricted area minus his badge for a brief trip and the guard (quite rightly) wouldn't let him return. He had to telephone and have someone bring out his credentials!

* * *

R. S. Watt reports that he learned one thing on a trip to Las Vegas with a group of his associates in tooling.

"To make a nine the hard way you need three dice . . ."

* * *

Competition was stiff for a CRA turkey during a recent skeet shoot. **Hank Stroing, Marvin Goodall** and **Red Pharis** tied for first, each breaking 25. They flipped coins (odd man) for the bird, and they had to flip five times before Stroing finally won!

Men Welcomed For Next 'Ladies Night'

Art Briese, humorist and entertainer from Hot Springs, Ark., will headline CRA Ladies Night at Convair SD, Tuesday, Dec. 6. He is known nationally as "America's Knight of Satire."

For the first time since inauguration of "Ladies Nights," sponsored by the Convair Recreation Association, doors will be open to the men. There is no charge and all Convair women and Convair wives are invited to bring their husbands.

Tickets will be available at employee services, both plants, next week. They will be limited to capacity of the auditorium of the House of Hospitality, Balboa Park.

Square Dance Jamboree Attracts SD Folk

Convair San Diego square dancers will turn out Saturday (Nov. 19) for the second annual Square Dance Jamboree staged by the Industrial Recreation Council at the Balboa Park Club.

The event starts at 8 p.m. and will feature door prizes, special dance prizes and refreshments. Tickets will be 50 cents per person at the door with no advance sale of tickets.

Employee Store Will Stay Open Evenings to 10 During December

The Convair SD employees store in the CRA Clubhouse at San Diego will go on a "holiday schedule" next month in anticipation of Christmas, staying open until 10 p.m. each weekday evening.

Prophet Co.'s Bill Rickman, who manages the store as well as Plant 1 cafeterias, reported that there is a wide range of small appliances, jewelry, watches, and even such items as silverware, sheets and pillow cases and electric blankets available, almost all at a considerable saving to Convair people.

"Regular hours are 9 a.m. to 6 p.m., but throughout December we will stay open 9 a.m. to 10 p.m.," he reported.

"We have no off brand merchandise. It is all nationally known and we stand behind every item."

Only Convair men and women are eligible to buy, however, and they must present not only badge but ID cards as well, though their families may buy if accompanied by the Convair employee.

Rickman said that a "lay away" plan is enjoying considerable popularity. A small deposit will hold any item for as long as 90 days, during which time the buyer can make additional payments as desired.

The employee store has been in operation for several years, offering substantial deductions. It is located in the CRA Clubhouse across Pacific Highway from Plant 1, near Overpass No. 2. CRA derives part of its revenue from this operation.

Seven 'Best of Show' Winners Selected

Carrying off top honors as "best of show" winners in the Convair Garden Club's annual chrysanthemum show at San Diego, Oct. 30, were: T. L. Pritchard (Dept. 403); C. H. Splinter (Dept. 571); Milke Delva (Dept. 8); Mrs. A. J. Savard (Dept. 6); Carl Swanson, Mrs. F. L. Cantrell (Dept. 102); Dennis Zimmerman, children's division (son of E. L. Zimmerman, Dept. 31).

Other first prize winners included: Ann Cunnion (Dept. 250); Mrs. C. F. Hanson (Dept. 24-1); W. E. McVay (Dept. 410); T. J. Cunnion (Dept. 25); E. L. Zimmerman; Donna Zimmerman, children's division.

Controller's Xmas Party to Be Dec. 10

Tickets to the annual Controller's Christmas party Dec. 10 at Hotel del Coronado were due to go on sale this week at Convair San Diego, according to Roy Ashe, general chairman.

Festivities begin at 7:30 p.m. for those who will attend a dinner party at the hotel's Crown Room. Dancing starts at 9 p.m. with music by Francis Leonard and his orchestra.

'Turkey Free Throw' Set for Tomorrow

Cagers at Convair San Diego will hold their annual "free throw" tournament at 7 p.m. tomorrow (Nov. 17) at Municipal Gym, Balboa Park.

All CRA members are eligible and registrations will be taken until 7 p.m. Turkeys will be awarded as prizes.

Engineer Addresses Electronic Meeting

Thurber J. Moffet, Convair San Diego group engineer, last week took part in the first Electronic Business Systems Conference held in Los Angeles under the sponsorship of the National Machine Accountants Association.

Moffet spoke on "Dissemination of Engineering Information." The conference was set up to answer in simple terms the modern executive's questions concerning application of electronic data processing to his own business.

Woellner Speaks to Cost Accountants

D. A. Woellner, chief of systems and procedures at Convair San Diego, spoke last week at a dinner meeting of the San Diego Chapter, National Association of Cost Accountants.

Woellner discussed "Evaluation of Systems for Mechanized Accounting Techniques" at the Nov. 9 gathering held at the Mission Valley Country Club.

CONVAIR COOKS—Convair SD women and wives are shown at Nov. 1 CRA Cooking School put on by economists from San Diego Gas and Electric Co. Nearly 300 heard tips on how to make tasty dishes out of turkey left over from holiday meals.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411 or 282, Plant 2. Club meets first and third Thursdays at 7:30 p.m., Conference Bldg., Balboa Park.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1 (second shift). Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open first, third and fourth Tuesdays, and second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner. Call Martha Woodberry, ext. 1245, Plant 1, or Grace McGrath, AT-2-5131, for intermediate and advanced class schedules. New beginning classes: Mondays, 8 to 9 p.m.; Wednesdays, 8:30 p.m. (all Latin); Thursdays, 8:30 p.m. (intermediate American & Latin). Teen-age classes: Mondays, 6:30 to 8 p.m.; Thursdays, 7 to 9 p.m. (practice session); Fridays, 7 to 8:30 p.m., Grace McGrath Dance Studio, 3294 El Cajon Blvd. Children's classes in tap, acrobatic and ballet, weekday afternoons and all day Saturday.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 637, Plant 1. Girls' team being organized. Register with Donna Pitman, ext. 1245, Plant 1.

BOWLING—Mike Brooks, ext. 404, Plant 2; Jim Hayman, ext. 1670, Plant 1, commissioners. Winter leagues now rolling. Tuesday through Friday at Pacific Recreation; Thursday at Victory Lane; Friday at Tower Bowl.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meeting second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1451, Plant 1. The Choralaires rehearse each Monday, 7:00 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month. 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Club meets second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635 or 1232, Plant 1. Convair Golf Club meets first Thursday each month. Members will be notified of meeting time and place.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 234, Plant 2. commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot, rifle, trap and skeet, first Sunday of each month at Gillespie Field, El Cajon.

HORSESHOES—Kurt Klein, commissioner, ext. 1710, Plant 1.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Skating session for Convair employees and their families each Thursday at 6:30 p.m., Sonald Ice Skating Studio, 3464 Midway Drive. Lessons available at special rates from studio. For further information call AC-2-4467.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Meetings each Friday at 7:30 p.m., House of Charm, Balboa Park. Scheduled operations first Friday of month.

MOVIES—Free movies at CRA Clubhouse each Friday, 7 p.m., for Convair employees and their families.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 a.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. .22 cal. matches each Tuesday at 7 p.m.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Nov. 17), 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 319, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults), 7:30 p.m.; Saturdays, beginners, 9 a.m. to 1 p.m.; intermediate, 1 to 2 p.m.; advanced, 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. Moonlight and breakfast rides monthly. For reservations, call Palomar Stables, CY-6-9658.

ROCKHOUNDS—Dan Whorton, commissioner, ext. 426 or 777, Plant 1. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Tuesdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m.; Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee service, both plants.

SKI CLUB—Joe Harris, commissioner, AT-4-0278 evenings.

SKIN DIVING—Bob Hutson, commissioner, ext. 1683, Plant 1. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. For further information contact Tom Simpson, HU-8-5923, after 4 p.m.

SOFTBALL—Tony Berardini, ext. 310; Gil Crosthwaite, ext. 637, Plant 1, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 345; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Fred C. Rosacker, ext. 1575, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 395, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 507, Plant 2. Club meets first and third Thursdays, 7:30 p.m., Conference Bldg., Balboa Park.

SWIMMING—Convair swim nights at Mission Beach plunge discontinued until further notice.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Workshop sessions Tuesdays and Thursdays.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Ed Birch, commissioner, ext. 1342, Plant 1. Skiing Saturdays only.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. Art Briese, humorist, will entertain at Ladies Night, House of Hospitality, Balboa Park, Dec. 6. Ladies are invited to bring their husbands or escorts.

Movie Calendar

Free CRA movies each Friday at 7 p.m., CRA Clubhouse, San Diego, for Convair employees and their families.

Friday, Nov. 18: TREASURE ISLAND (technicolor), Robert Newton, Basil Sidney, Bobby Driscoll. Selected shorts and cartoons.

Friday, Nov. 25: No show scheduled.

'Two Club' Golf Event Planned

Golfers at Convair San Diego will leave most of their clubs and even their golf bags and carts at home (Saturday Nov. 19) or Sunday, if they take part in a special "two-club" tournament to be held at La Jolla Country Club.

Rules specify that only two clubs may be used in the medal play event and one of them must be a putter. Play will be divided into handicap groups. However, players without established handicaps, both men and women, may take part.

Entries must be made before 4:30 p.m. Friday (Nov. 18). Call ext. 541, Plant 2, to reserve a starting time between 6:30 and 8:30 a.m. on either day.

Sixteen turkeys will be presented, four to each handicap division for low gross and the first three low net places.

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75 Wins Gross Golf Honors

John Higdon's three-over-par 75 won low gross honors in the medal play tournament staged by the Convair San Diego Golf Club Nov. 5 and 6 at Rancho Santa Fe.

Low net honors in the first flight were won by Phil Parker with a 69.

Individual flight winners in the low gross category were W. Rye, G. Kobets and B. Sutton, while Oscar Bell and F. Sission tied for low net in the second flight and Mel Stewart and G. McLeod won low net in the other two flights.

Hams, turkeys and dinner tickets were awarded as prizes in all flights and for blind bogey winners.

Breakfast, Moonlight Rides on Club Agenda

A breakfast ride Saturday (Nov. 19) and a moonlight ride Nov. 26 are on the agenda for members of the Convair San Diego Riding Club in weeks to come.

The breakfast group departs Palomar Stables at 9 a.m. with a ranch breakfast to be served on return. The moonlight ride originates at the same point at 7 p.m. with hot dogs and the trimmings to be served later.

CRA Sports & Recreation Convairiety

Hundred Turkey Prizes Offered in CRA Events

Latest count shows that over 100 fat turkeys will grace the tables of Convair San Diego this Thanksgiving with the compliments of CRA.

Some will be awarded to men, women and youngsters who excel in sports, while others will go to people who are just plain lucky.

The number of turkeys to be presented to each activity was left up to individual groups with an eye to budgets, prize money, etc. And the number of people participating in each function was also taken into consideration.

While many of the turkeys have already been awarded, a large number are scheduled for activities this weekend or next.

Here's the run down on various activities and their method of determining turkey winners:

AEROMODELERS
One turkey for surprise contest for hand launched gliders at Nov. 17 meeting at Conference Building, Balboa Park. Second will be presented as door prize at same meeting.

ARCHERY
Six turkeys presented in novelty shoot Nov. 13.

ASTRONOMY
One turkey will be awarded as a door prize at the Nov. 18 meeting of the group to be held at the Radio Shack, Harbor Drive, starting at 8 p.m.

BALLROOM DANCING
One turkey will be presented next week. Each dancing student now enrolled in dancing classes will be given a number and a drawing will select the winner.

BASKETBALL
Three turkeys to be awarded at annual free throw tournament set for Nov. 17 at Municipal Gymnasium.

BILLIARDS
Two will be awarded in "eight ball" tournament now in progress.

BOWLING
Twenty-five turkeys were awarded last week in annual sweepstakes events held in the various bowling leagues now under way.

CAMERA CLUB
One turkey was given as a door prize at the club's Nov. 14 meeting.

CHESS CLUB
Three turkeys were awarded in an elimination tournament scheduled to end this week.

COIN CLUB
One presented as door prize at the club's Nov. 8 meeting.

FISHING CLUB
One turkey awarded as door prize at the group's regular meeting Nov. 14.

GARDEN CLUB
One turkey awarded as door prize at club's Nov. 9 meeting.

GOLF
Sixteen turkeys will be awarded in a "two-club" tournament scheduled for Nov. 19-20 at La Jolla. Entries close Nov. 18.

GUN CLUB
Fifteen turkeys awarded in rifle and shotgun events at club's Nov. 6 shoot.

ICE SKATING
Door prize of one turkey to skaters taking part in Nov. 17 session between 6:30 and 8 p.m. Nov. 17 at Sonald Ice Skating Studio.

MODEL RAILROAD
One turkey to go as door prize at Nov. 18 meeting of the group at the House of Charm, Balboa Park.

PISTOL CLUB
Five turkeys as novelty prizes at the group's Nov. 13 shoot.

RIDING CLUB
Two turkeys were presented as door prizes at the Nov. 12 club meeting.

ROCKHOUNDS
Three presented as door prizes at regular meeting Nov. 10.

SKI CLUB
One turkey presented as door prize at Nov. 15 meeting.

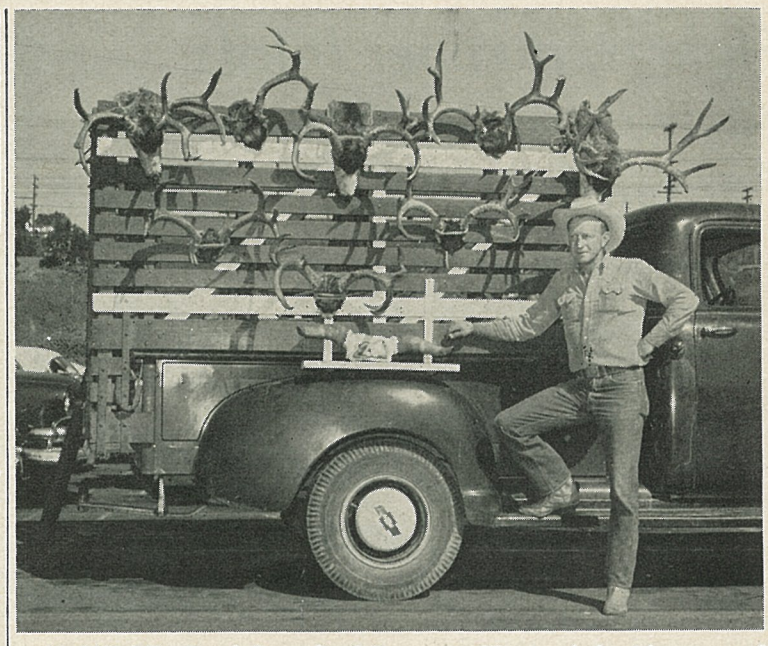
SPORTS CAR CLUB
Three turkeys, one as door prize at the Oct. 29 regular meeting and another at Nov. 16 meeting at Natural History Museum, Balboa Park. Third turkey awarded Convair's top driver in rally Nov. 13.

SQUARE DANCE
Twelve turkeys as door prizes at Nov. 17 and 22 sessions at American Legion Hall, 4061 Fairmount Ave.

TABLE TENNIS
Three turkeys will be awarded in singles tournament Nov. 22 for first and second shift (separate times) at CRA Clubhouse.

TROPICAL FISH
One turkey was given as door prize Nov. 8.

WATER SKI
One turkey as a door prize at the Dec. 2 meeting at the Conference Building, Balboa Park.



JACKPOT—Frank Darnell of Dept. 70 SD stands beside some of trophies he brought back from Utah hunting trip. His party accounted for eight deer, all over 200 pounds each.

Large Field Shoots For Birds With 15 Taking Turkeys Home

The largest field ever to compete in a turkey shoot staged by the Convair San Diego Gun Club gathered at Valley Gun Club Nov. 6.

Fifteen birds were awarded in events that gave every shooter a fair chance. Winners in the rifle events were Bob Saether, Joe Williamson, Harold Hampy, Don White and Joe Miller.

Trap winners included Bill McAdams, Jay Cushman, Marvin Goodall, M. Elliston, A. Van Wormer, Tom Hemphill and Jayne Davis. Turkeys in skeet events went to H. A. Stroing, E. L. Johnson and H. E. Pasek.

Vince Cernuto won the novelty luck category. Also placing high in the standings were Commissioner Jerry Schultz and J. K. Field, chief of employee services, but both declined prizes.

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Pistol Teams Place Second, Third, Fourth

While Convair Pistol Club marksmen at San Diego failed to win top honors, they swept the next three places in an industrial shoot hosted by Solar Oct. 30 at the San Diego Police Pistol Range.

Convair team No. 3 composed of Ash Bishop, C. L. Smith, K. W. Bunker and Bill Geopfarth placed second with a team score of 1,166, just six points less than the winning Solar team.

Third place was won by team No. 1 made up of Bill Dittmann, George Clayton, E. W. Groth and Jim Halfacre. In fourth place were members of Convair team No. 2 composed of H. M. Ingalls, C. Mounds, Jim Baxter and Russ Oliver.

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Desert Sportsmen Register Big Game

Convair sportsmen from San Diego, Edwards AFB, Palmdale and Holloman AFB recorded a banner year in big game hunting this year as shown in the registrations for CRA's annual big game contest.

Total registrations numbered 125 and included every type of big game from a javelina to deer, elk and antelope.

Winner of the drawing for top prize was L. E. Dean of Dept. 571. Second prize went to Harry Johnson of Dept. 28, while Larry Lemaire of Dept. 6 won third.

The winners were drawn at random from all who had registered "kills." Prizes were a .22 revolver, a Coleman lantern, and a block and tackle.

Two Table Tennis Tourneys Planned

Two table tennis tournaments will be staged on the same date next week—Nov. 22—at Convair San Diego.

Swing shifters will play a singles tournament at 1 p.m. Registrations will be accepted until that time.

Day shifters will compete in a tournament starting at 6 p.m., which is also the deadline for entering.

One turkey will be awarded to the swing shift champion, while both the winner and consolation champion of the day shift will receive a turkey.

Collier and Dutton Repeat Net Victory

Convair San Diego's perennial doubles combination of Dick Collier and Chet Dutton scored again late last month by taking another CRA plant-wide championship.

Dutton and Collier downed Chuck Jones and Larry Chambers, 6-3, 6-0, in the finals of the tournament held Oct. 29-30 at Morley Field.

ATTRACTION—This F-102 model drew attention at model meet. It is owned by Charles Ogle of Dept. 406.

Convair Modelers Capture Main Events as 1,500 See Nov. 6 Meet

Model builders from Convair San Diego swept to victory in three major events during the third annual Aeromodelers Meet Nov. 6 on Kearney Mesa.

Over 1,500 people were on hand to watch 91 contestants from throughout Southern California take part in one of the largest meets staged in San Diego County each year.

Bob Petro of Dept. 6 copped the free flight (½A) open event in the senior division with a time of 13:25.0, beating out three top modelers from the Los Angeles area.

In combat U controlled competition, Gene Marshall of Dept. 6 finished first ahead of a large field.

Jerry Slovacek of Convair took honors in the radio control division in senior competition.

Charles Primbs of Dept. 6 won fourth in the hand launched glider division, while visitors from other cities swept the remainder of events.

Jim Saftig, CRA Aeromodelers commissioner, was contest director. Ed Rominger handled free flight contests, while Merv Becker directed combat flights.

Girls Basketball Tryouts Next Week

Second call for Convair San Diego girls interested in wearing CRA colors in Industrial League basketball competition this winter was issued this week by Gil Crosthwaite, CRA commissioner.

The workout will be held Nov. 22 at Municipal Gym, Balboa Park, beginning at 8 p.m. on Court 3. All girls interested in trying out for the team are invited to attend.

AWARD TIME—These Convair San Diego golfers collected trophies during 15th annual plant championship last month. Shown at left is Fred Stratman, plant champion, with Dick Ransdell, runner-up, at extreme right. Also shown are several winners or runners-up of other flights including Lloyd Harris, Mel Pruitt, Phyllis Rehm, Erva Hamilton, Bob Feeney, Ralph Way, Fred Baebler, Ed Raymond, Charles Wallman, Jack Kelly, Jr., Jack Dows, Jack Viskel, Mel Stewart, Dave Zatarian, George Hasti, Cecil Brightwell, and Bill Fitzgerald.

Fighter, Bomber Pilots Arrive at Fort Worth For GRB-36 Check Out

A group of Air Force fighter and bomber pilots are at Convair Fort Worth this month learning their lessons in flying "classrooms."

Classrooms are the intercontinental B-36 bomber and the trim and tiny RF-84F jet fighter. The two team up for GRB-36 high speed Air Force reconnaissance.

The pilots were checked out in the launching and retrieving work by Convair Flight Captain Ray Fitzgerald and AF Capt. T. B. Mathewson.

Fitzgerald has been GRB pilot since the beginning of the program several years ago. Capt. Mathewson, of Wright Patterson AFB, recently took over the fighter pilot's spot vacated when Maj. Clyde Goode was re-assigned.

Thirteen pilots were from Fairchild AFB, Spokane, Wash.; Larson AFB, Moses Lake, Wash.; and Eglin AFB, Florida. All were checked out on the operation during the month. Others were at Convair as observers.

When they leave later this month they will be qualified for actual operation of the craft. They go from Convair to Fairchild AFB, where they will enter the second phase of the extensive training program.

During phase two, the pilots will check out on night launching, high altitude launching and retrieving, and the more detailed operations of the GRB.

Two Convair flight department employees will be on hand to provide instruction and information.

ROUTE—Convair flight captain Ray Fitzgerald, second from left, and Capt. T. B. Mathewson, second from right, check out air force fighter and bomber pilots on area they'll be flying over as part of GRB-36 testing and training program at Convair Fort Worth.

Surfacing Completed at FW On One Lot, Another Under Way

More than 24 million pounds of asphaltic concrete paving are making parking lots "like new" for Convair Fort Worth employees who use the two north and west lots.

Work on the west lot was recently completed, and pavers are well into work on the north lot.

First half of the north lot by the Electronics building was finished earlier this month. Work is now under way on the south half.

The 24 million pounds—enough to pave the driveways of homes of about 1,500 Convair employees—is also enough to pave a road seven miles long.

Used with the asphalt are 25 freight car loads of cement. Nearly six miles of four by four wood bumpers will be used, as well as 15,000 traffic buttons.

"The repaving job is more than just topping off what was already there," said Frank Hartman of plant engineering. "We're digging up the lot—and starting from scratch."

The new surface is a type of "soil cement" construction. That's a mixture of pulverized soil, cement and water compacted to a high density. As the cement dries, it forms a hard and durable surface.

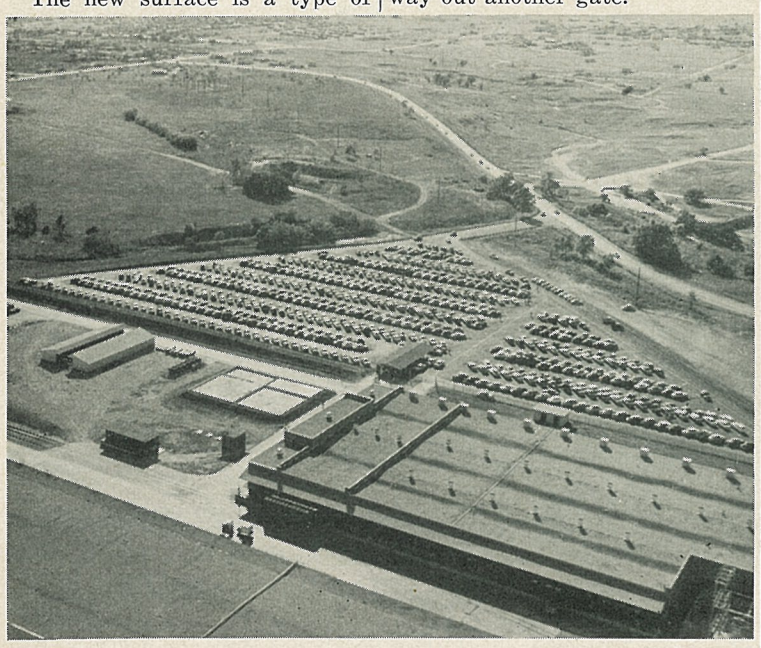
When this is properly cured (it has to "age" for about seven days), it is topped with a two-inch layer of asphaltic concrete.

"The result is a smooth hard surface that withstands freezing and thawing and should give us good parking for many years to come," said Hartman.

A special feature of the remodeled lots are the new four-inch continuous bumpers and the markings for 60 degree parking. The angle parking is designed to make it easier than ever for employees to drive in and out of their parking spaces.

Hartman emphasized that the lots and the traffic pattern are arranged for one-way driving.

"You drive in one way," said Hartman. "You park heading in to the bumper. Then you back out easily—and you're on your way out another gate."



REOPENED—Newly surfaced parking lot at Fort Worth is filled up on day of reopening. Photo was taken few minutes after 7 a.m.

TEXAS BOUND—Forthcoming Model 440 Metropolitans, new Convair transport under construction at San Diego, owe much to this airplane. Many of 440's new features were proved out by this ship during eight-month test program. Airplane last month went to Texas to serve as executive transport.

Hopkins Urges UN Back Cooperative Energy Proposal

John Jay Hopkins, chairman and president of General Dynamics Corporation, this month advocated a "world energy community" to develop cooperatively the forces of atomic fission and applied solar energy, and later atomic fusion.

Hopkins addressed the World Symposium on Applied Solar Energy Nov. 3 at Phoenix, Ariz. To the gathering of scientists he proposed that all nations of the world put into effect a program utilizing these forces "to balance in a master concept the world's economic needs with the world's means to fill those needs."

A year ago Hopkins urged a unilateral program for U.S. government and industry which would assist underdeveloped nations directly to industrialize through atomic power reactors and thus raise their living and cultural standards. Six months ago, while in Tokyo, Hopkins made a second proposal, involving the development of a Free Asia atomic energy community with contributions being made by the atomic "have" nations.

Hopkins told the Phoenix gathering that his proposals are being acted upon by the U.S., Canada and Britain through the Colombo Plan.

"Local and regional energy communities," he explained, "would be but a transitional stage to a single world energy community and to the completely free and independent exchange on a 'need for need' basis of the most advanced power sources—solar energy, atomic power and, eventually, fusion power—as the prime movers of economic progress and political certainty."

To get his new project started, Hopkins urged that in 1957 a World Energy Congress, open to all nations, be organized under the auspices of the United Nations. The Congress, he suggested, might be held at New Delhi or Tokyo—or sponsored jointly by India and Japan — since "Free Asia constitutes one of the most populous underdeveloped areas with perhaps the most desperate energy needs."

Among the hundreds of scientists and others gathered there for the four-day symposium conducted by the Association for Applied Solar Energy and the Stanford Research Institute were Dr. Charles L. Critchfield, Convair's director of scientific research; J. V. Naish, Convair's executive vice president; and Robert W. Lowen, staff assistant to Critchfield.

W. F. Radcliffe Jr., engineer in charge of the thermodynamics group at Convair SD, and Bert I. Davis, thermodynamics group engineer who helped develop two 60-inch solar furnaces for Convair from war-surplus and anti-aircraft searchlights, demonstrated the five-foot mirror at the Symposium.

Airplane That Blazed Trail For Model 440s Leaves For Texas

An unusual airplane with a "dual personality" was delivered to J. W. Mecom, Texas oilman, at Convair San Diego late in October for use as an executive transport.

Actually, the airplane was the last of the commercial Convair-Liner Model 340s to depart San Diego. Yet at the same time it contained all of the new features developed for installation on the new Model 440 Metropolitans now under construction at Convair SD.

The transport (Convair No. 202) flew for eight months of 1955 in an exhausting test program which proved most of the changes now being built into Model 440s as standard equipment.

Probably the greatest advancement perfected during this period was in the field of sound suppression. Working with a firm of acoustic consultants, engineers developed new ideas which proved effective in giving the new Model 440 the quietest passenger cabin of any modern American transport.

A single rectangular exhaust replacing two circular openings was the most important change devised. Special inner window assemblies plus installation of acoustical tape and additional sound proofing were also developed and proved.

Speed improvement testing also perfected changes which increase the speed of the Metropolitan five miles an hour over the fastest Model 340. This was accomplished mainly in redesigned engine cowling and the installation of new seals for ailerons and flaps, all of which helped to reduce drag.

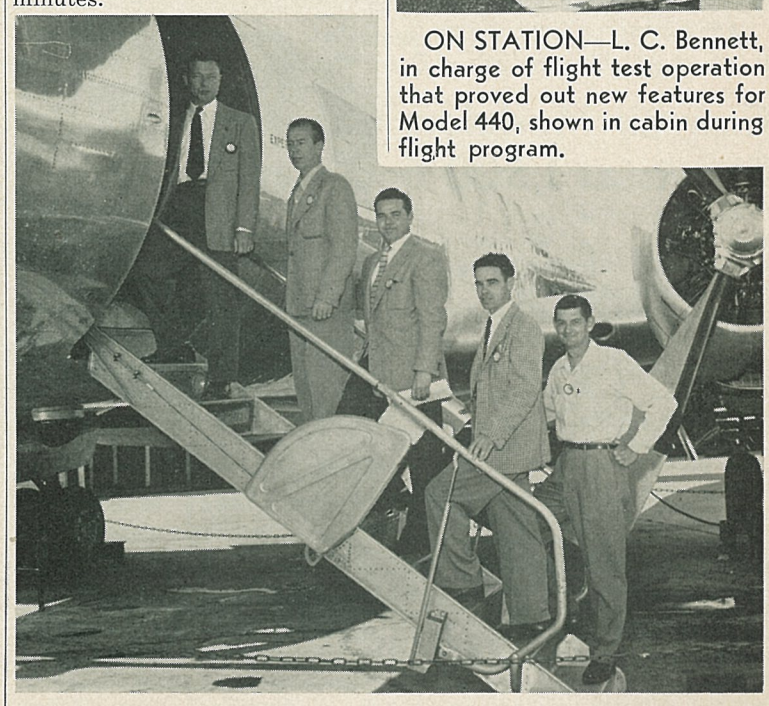
Tests began early in January of this year and continued through August with 105 flight test operations logging 143 hours, 49 minutes.

Also during this period were demonstration flights made at different points across the country for representatives of various military services and commercial airlines.

Pilot for the entire program was L. V. Hoffman of experimental flight. Heading flight test operations for the program was L. C. Bennett, then of experimental flight. Sam Stevens and Ken Browley, flight test engineers, E. F. Kosen, instrumentation engineer, and Ken Chott, flight engineer, also logged many hours during the program as well as various production and experimental flight pilots who served as co-pilots.

Convair and General Dynamics Corporation officials such as John Jay Hopkins, General Dynamics president and board chairman, Frank Pace, a senior vice president of General Dynamics, Convair President Joseph T. McNarney, J. V. Naish, Convair's executive vice president, and many others flew in the airplane and offered comments and suggestions.

ON STATION—L. C. Bennett, in charge of flight test operation that proved out new features for Model 440, shown in cabin during flight program.



TESTERS—These Convair SD men were prominent in test program that preceded Model 440 development. From top: Pilot L. V. Hoffman; Sam Stevens and Ken Browley, flight test engineers; E. F. Kosen, instrumentation engineer; Ken Chott, flight engineer.

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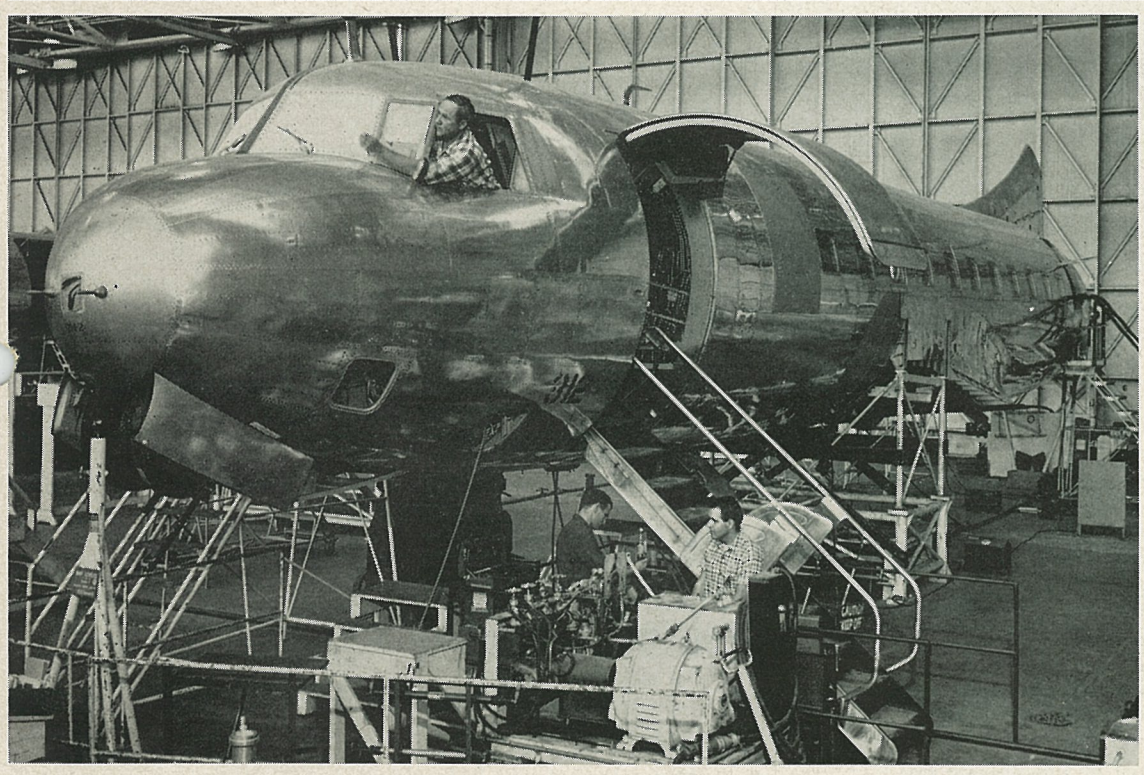
SAN DIEGO AND POMONA, CALIFORNIA DAINGERFIELD AND FORT WORTH, TEXAS



NUMBER ONE—Fuselage for the first Model 440 is shown as it appeared last week in Bldg. 2 at San Diego. Airplane was scheduled for mating this week.

Major Mating Due For First Metropolitan

Convair's first Metropolitan (Model 440) transport was due for major mating at Convair San Diego this week, approximately two weeks ahead of the original production schedule.

Factory completion currently is scheduled for mid-December. Following field operations cycles, the airplane is expected to enter a 10-day flight test program before the end of the year.

During the flight test period, CAA certification will be flown on a number of items on the airplane.

Convair now has 58 orders for the new twin-engine transports. Customers include commercial airlines in the United States, Europe and South America, and the Air Force, as well as one private concern. Deliveries are scheduled to start early in 1956 and production will continue throughout that year.

Meanwhile, additional orders are being negotiated with both foreign and domestic airlines and there are indications that new sales orders will be forthcoming soon.

Most of the assembly work on these new airplanes is being accomplished in Bldg. 2, Plant 1, under Supt. J. F. Glenn. The final assembly line is in the southwest corner of the building. Wings are built in Bldg. 3.

The Model 440 is approximately five miles per hour faster than the fastest Model 340 and contains the very latest types of sound suppression equipment which give the Model 440 the quietest passenger cabin of any modern American transport. New airborne weather mapping radar which allows the pilot to "see" and avoid mountains, storms, etc. as far as 150 miles away is optional equipment.

Metropolitans will be delivered in two configurations. Most domestic airlines will utilize the 44-passenger version, while foreign airlines favor the "convertible" version, which permits shifting to a 52-passenger capacity, as desired. By removing a bulkhead and installing extra seats in the forward area, they can be switched from 44- to 52-passenger cabins at will.

Firm orders have been received from the following firms with the number of Model 440s ordered in parentheses:

SABENA, the Belgian airline (12); Scandinavian Airlines System, Inc. (SAS), serving Denmark, Norway and Sweden and other European points, (11); Swiss Air Transport Co. Ltd., (SWISSAIR), serving all of Europe (8); National Airlines, Inc., covering southern and eastern seaboard routes in the United States (6); United States Air Force (6); REAL S/A Transportes Aeroes of Brazil (4); Continental Air Lines, Inc., of the United States (3); Cities Services Oil Co. (1); AERO O/Y of Finland (1); Delta Air Lines (5); and Union Producing Co. (1).

Delta Order Ups 440 Total to 58

Delta Air Lines, Inc., this week joined the growing list of commercial airlines purchasing the new Convair Model 440 Metropolitan transport with an order for five airplanes.

Deliveries under the $3,475,-000 contract will begin in August, 1956.

Safe-Drive Day Is Tomorrow, So Play it Safe

Convair San Diego and Pomona drivers and pedestrians have been asked to be particularly careful in their highway habits tomorrow (Dec. 1) in connection with the second annual "S-D" or Safe Driving Day.

Sponsored by the President's Committee for Traffic Safety, the purpose of the day is to show that motorists and pedestrians can reduce traffic accidents by their own actions.

Convair's thousands of drivers and other thousands who travel partly on foot and partly by bus will be an important factor in whether San Diego and Pomona score well on S-D Day. Extra attention to safety on that day can almost certainly reduce

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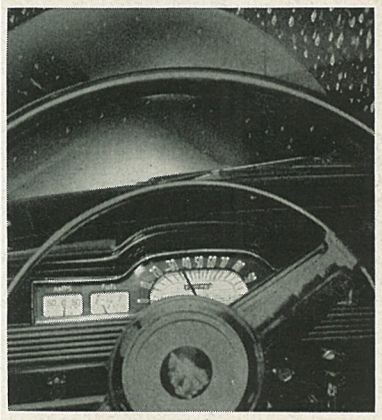

WATCH THE NEEDLE!—Speed isn't the only cause for accidents, but it's a big one. Please remember, on "S-D" Day.

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McNARNEY ADDS HIS SAFETY REMINDER

"Convair is profoundly concerned with the safety of its people both on the job and off the job," Gen. Joseph T. McNarney, president of Convair, commented on the eve of S-D Day.

"On the job Convair does something about it, quite a lot, as you know. That is why we have such a low in-plant accident rate.

"However, the minute our people leave the plant gates their chances of being involved in an accident, be it traffic or otherwise, rise sharply. Convair is concerned with this but can do little more than to call the hazard to your attention and suggest cooperation in such efforts as S-D Day.

"I sincerely hope that if there are accidents tomorrow, no Convair drivers will be involved. And if all Convair drivers are alert and handle their cars safely, there won't be any accidents involving them."

Con-Trib Chest Gift Increased

Convair employees at San Diego last week added an additional $15,000 to their pledge to the current United Success drive through action of the Employees Con-Trib-Club committee.

Added to an initial pledge of $130,000, Convair employees have now contributed some $145,000 to support some 50 charitable organizations supported by United Success, plus an additional $7,000 to Community Chest groups in outlying communities where employees live.

Convair has made a corporation pledge of $85,000 to the campaign, bringing the total Convair efforts at San Diego to $237,000 in support of charity.

James K. Field, Con-Trib committee chairman, pointed out that the additional $15,000 was raised through a special campaign among executives and salaried personnel to increase their contributions.

SD Management Club's Annual Xmas Party Will be Held Dec. 10

Invitations to Convair San Diego Management Club's annual Christmas dance were put into the mail late last week, President Bob Elo reported.

The affair this year will be held Dec. 10 at the Mission Beach Ballroom and is sponsored jointly by Convair and the club's board of control. Dancing starts at 9 and continues until 1. A free buffet dinner will be served between 9:30 and 12:30.

The informal affair is open to all those eligible to Management Club membership. Admittance will be by invitation only.

400 Donors Sought For Bloodmobile Visit

Four hundred donors — the largest number in the last two years — are needed for the bloodmobile visit to Convair San Diego next week (Dec. 8).

It has been six months since the last solicitation for blood to bolster the Convair employees credit at the Blood Bank.

All of Plant 2 will be asked to sign up. Previous donors were reminded that blood may be safely given again after a 90-day period.

The bloodmobile will be set up in the north end of Bldg. 1.

Convair, Bristol, Canadair Consider New Transport

Representatives of Bristol Aeroplane Co. Ltd. of England, Canadair of Canada, and Convair teamed this week at San Diego on a joint specification for a new long-range transport airplane.

Four specialists from Canadair and two from Bristol are working with a Convair SD preliminary design team.

General Dynamics Corporation last week confirmed the joint project following discussions in New York, Montreal and London.

The proposed airplane will be in the 500-mile-an-hour class and will be designed around four Bristol BE-25 turboprop engines. It will have genuine non-stop trans-Atlantic range, economically in both directions at all times of year, as well as excellent characteristics over shorter distances.

The combined engineering group, working with the background of the experience of Bristol on the long-range Brittania, will complete technical specification by January when a further report is expected.

Intention is that the aircraft and the engines will be produced concurrently on both sides of the Atlantic.

COMING TO SD—A fabulous performance of Ice Capades of 1956 is promised for Convair Dec. 17 at San Diego. Tickets for the matinee go on sale tomorrow (Dec. 1) at employee services at both SD plants, two for the price of one (thanks to CRA). Shown is part of the company as they do "Wish You Were Here" from the great musical comedy hit.

Don't Forget! Ticket Sales Start Tomorrow (Dec. 1) For Ice Show

Tickets go on sale at 9 a.m. tomorrow (Dec. 1) at employee services offices at both San Diego plants for a special CRA-sponsored performance of the internationally famous ice show "Ice Capades of 1956."

This is the fourth year that CRA has bought the house for a performance of the touring troupe.

In keeping with the traditions of keeping this last big event of the year as low in cost as possible, CRA is picking up half of the entire tab. You buy one ticket, the second is on CRA. The two-for-one price holds true throughout the range of ticket prices ($3.50, $3, $2.50, $2, and $1).

The date of this year's show is Dec. 17. The time is 2:30 p.m. and the place is San Diego Arena (formerly Glacier Gardens).

While the stars of this year's show are two favorites of past years—Margaret Field and Jimmy Lawrence—the settings, costumes and production numbers are all new.

Major production numbers include such favorite themes as "An American in Paris," "Humpty Dumpty on Ice," "Tropicana," "Wish You Were Here," and

(Continued on Page 2)

Log Book Entries

★ ~ ★ Service Emblems ★ ~ ★

SAN DIEGO

Service emblems due during the period Nov. 16 through Nov. 30:

Thirty-year: Dept. 70, A. E. Brennan.

Twenty-year: Dept. 6, G. L. Peyton. Dept. 31, L. H. Gould, J. W. Wiley. Dept. 70, G. O. Couchman. Dept. 522, T. A. Anderson. Dept. 603-1, W. V. Tisdale.

Fifteen-year: Dept. 6, E. F. Kotnik, G. A. Pohlman, H. S. Stutzman. Dept. 22-6, G. E. Smith. Dept. 25-6, G. J. Charboneau. Dept. 28, G. S. Durland Jr., R. S. Sellers.

Dept. 31, R. H. Egbert, Herman Hodges, F. C. Romero. Dept. 60, R. F. Yturralde. Dept. 300, J. R. Heriot. Dept. 401, J. E. Wood. Dept. 403, Frank Eramo, E. R. Wittman. Dept. 406, B. H. Jordan, R. M. Malo. Dept. 522, C. E. Hitson, C. D. Jeanes. Dept. 528-5, J. D. Tate.

Ten-year: Dept. 6, J. K. Bennett, R. M. Coyner, R. G. Graves, R. W. Seehorn, J. K. Underwood. Dept. 12, L. E. Pilling, A. P. Wilson Jr. Dept. 14-2, W. E. Burnett. Dept. 22-7, L. M. Whitney.

Dept. 28-8, Thelma F. Swaney. Dept. 55, Alberto Castaneda. Dept. 115, Samuel Norconk. Dept. 201, Clema Wright. Dept. 252, Martha L. Doche, J. F. Pearl. Dept. 350, W. M. Eddings, J. D. Roper. Dept. 407, J. D. Andrews.

POMONA

Fifteen-year: Dept. 6, H. S. Mellon.

Ten-year: Dept. 4-2, R. D. Crawford.

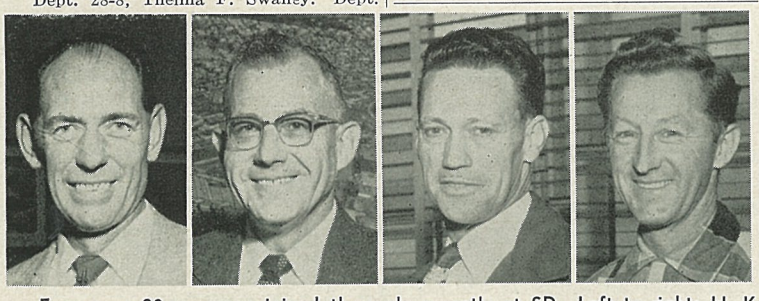
Five-year: Dept. 6, C. C. Bailey Jr., W. W. Barnes, E. H. Koepke, H. M. Ulberg, Anthony Vallone. Dept. 24-2, T. T. Bronikowski. Dept. 72, A. J. Willard.

Deaths

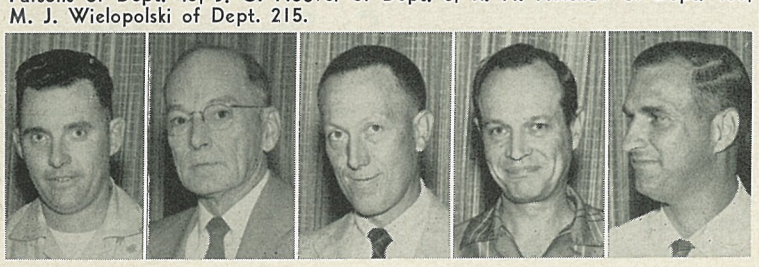
SAN DIEGO

DELANEY — Frank W., Dept. 603. Died Nov. 21. Survived by wife, Mrs. Amelia Delaney; daughter, Eileen Blair; one sister, three brothers, two grandchildren.

HEROLD—George Harrison, Dept. 31. Died Nov. 18. Survived by wife, Mrs. Bina Herold; brother, Charles Herold; two sisters, Mrs. Viola McCune, Mrs. Cora Mae Johnson.



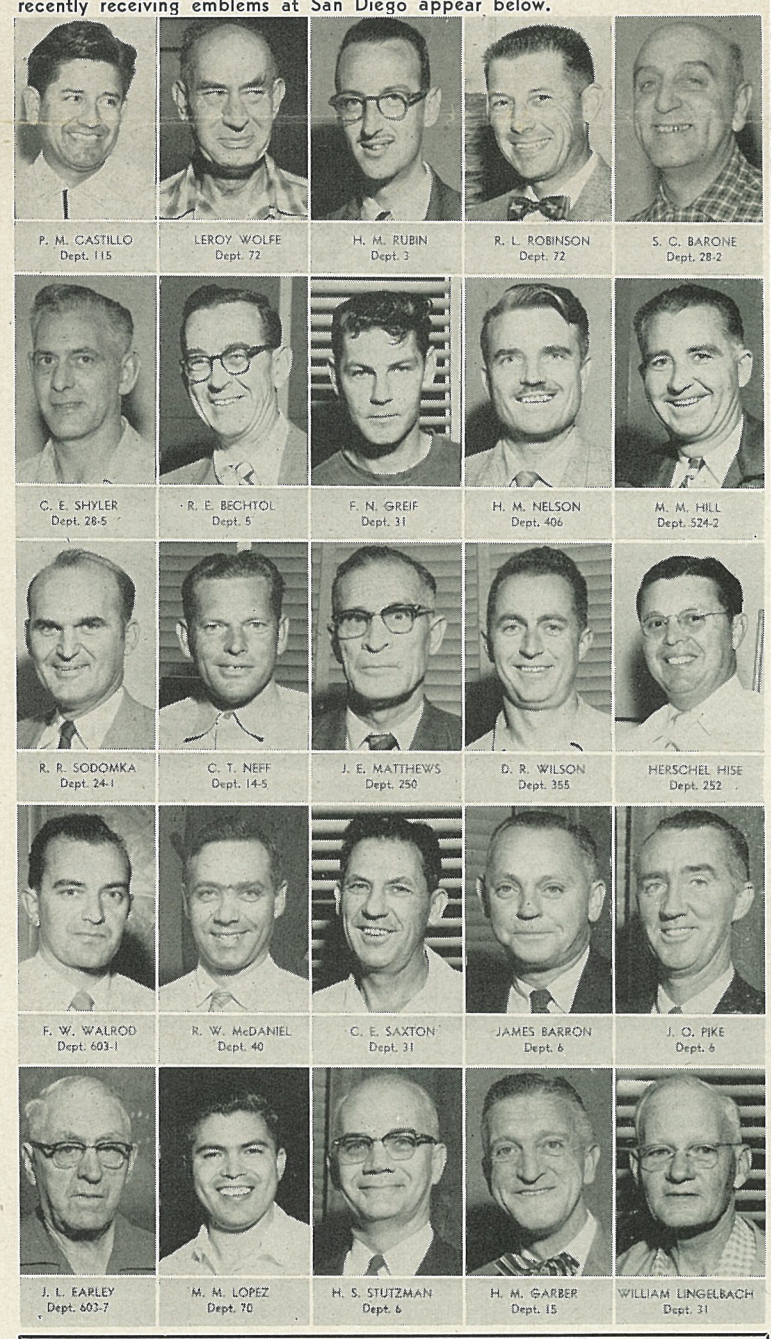
Four more 20-year men joined the ranks recently at SD. Left to right: H. K. Parsons of Dept. 43, J. C. Hoover of Dept. 6, R. H. Harshaw of Dept. 406, M. J. Wielopolski of Dept. 215.



DONALD RICKETT Dept. 31 — **E. C. ZEITLER** Dept. 6 — **EUGENE YOUNG** Dept. 6

H. S. MELLON Dept. 6 — **STEPHEN METTLER** Dept. 6

Immediately above are new 15-year men at Convair Pomona, while those recently receiving emblems at San Diego appear below.



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Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: Bryan Weickersheimmer, news editor; Grayce Fath.

FW Editorial Offices, Col. 71-C. Ext. 5290. Mailing address: Convairiety, Convair, Fort Worth, Texas. Telephone SUnset-7311. Staff: Bob Vollmer, news editor; Sally House.

Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Elizabeth McCuistion.

Awards

SAN DIEGO

Employee Suggestion awards totaled $2,564.75 for the weeks ending Nov. 3 and Nov. 10:

Dept. 6, Engineering: R. R. Bateman, $54.25; W. C. Becker, $100 (partial payment); J. L. De Diemar, $107.50; G. S. Hunter, $10; I. L. LeDuc, $5; C. C. Lucas (two awards), $25; L. M. Pinks, $20.

Dept. 11, Contracts: D. D. Ellison, $50; J. M. Evans, $43.75.

Dept. 14, Shipping & Material Stores: F. G. Donaghe (two awards), $25; L. H. Kramer, $10; D. C. Lantz, $10; D. C. Lantz and J. A. Moore (joint award), $7.50 each; O. A. Mereon, $5; H. E. Newton, $24.75.

Dept. 22, Manufacturing Control: V. V. Barghols, $50; R. Chavez, $12.50.

Dept. 25, Plant Engineering: R. A. Dickson, $15; W. W. Ford, $5; D. C. Garrett, $100 (partial payment); J. Hoffernick (two awards), $100 (partial payment), $20; H. I. Somers, $5; J. E. Thompson, $25.

Dept. 28-5, Inspection: R. D. Johnson, $10.

Dept. 30, Model 8 Final Assembly: R. Araiza, $92.50; E. J. Bryant, $10; M. D. Downey, $100 (partial payment); E. H. Vorce, $10; C. E. Wheary, $5.

Dept. 31, Experimental: A. E. Clauss, $15; R. J. Funk, $20; R. Imhoff, $10; L. L. Shaffer, $15.

Dept. 37, C-131B Final Assembly: J. P. Dragoo, $20; A. D. Driver, $10; R. A. Salaz, $10.

Dept. 55, 340 Fuselage: H. G. Bauer, $5; W. L. Ryan, $5; H. Sills, $15; F. O. Turner, $10.

Dept. 56, 340 Primary: O. L. Matthews, $10.

Dept. 60, Model 8 Wing & Tail: C. I. Lothian Jr., $10; G. Rhea and R. Ferguson (joint award), $5 each.

Dept. 70, Model 8 Fuselage: E. L. Bernier, $10; R. H. Carter, $11; E. P. Copeland (two awards), $98.50; C. H. Jorgensen, $41; B. J. Payne and C. H. Jorgensen (two joint awards), $15 each; H. R. Leatherman, $12.50; C. E. Roach Jr., $44.75.

Dept. 72, Model 8 Fuselage Primary: R. Conshafter, $36.50; C. H. McCullough, $35; E. E. Yturralde, $35.

Dept. 102, Sub-Assembly & Processing: N. J. Cardwell, $32; E. Fountain, $50; E. R. Schulz, $10.

Dept. 115, Machine Shop: W. E. Maxwell Jr. (two awards), $20.

Dept. 201, Sheet Metal: E. J. Martin, $140 (final payment).

Dept. 202, Sub-Assembly: F. H. Hawksworth, $10; D. E. January, $10.

Dept. 203, Welding: J. A. Darnell, $15; E. L. Edwards, $10.

Dept. 205, Metal Forming: C. D. Lane, $102.50.

Dept. 215, Machine Shop: G. Blanchard, $20; M. E. Gagnon, $10; L. H. Roberts (three awards), $77.50; A. M. Zsolczai, $5.

Dept. 252, Electric Bench & Fabric: B. R. Snyder, $20.

Dept. 255, Tubing & Cable: D. H. Callon and A. Barragan (joint award), $10 each; K. M. Harvey, $10.

Dept. 258, Proofing Mock-Up: T. Avant, $25.

Dept. 355, Fabric & Tubing: E. C. Jankowski (two awards), $20.

Dept. 406, Plaster Pattern Shop: A. D. Brooks, $70.

Dept. 410, Purchasing: E. J. Daverin, $5; D. P. Greaves, $45; D. Hagins, $10.

Dept. 522, Manufacturing Control: R. P. Earnest, $10; R. C. Pierce, $10.

Dept. 524, Tooling: C. B. Barnum, $10; C. E. Wilson, $10.

Dept. 528, Inspection: J. W. Barrett, $20; R. E. Davis, $70; H. L. Gustafson, $48.25; I. S. Hannibal, $10.

Dept. 558, Model 7 Tank & Propulsion: E. Caliendo, $20; M. F. Gabriel, $5; N. A. Gross, $10; J. F. Marrs, $10.

Dept. 603, Tool Manufacturing: J. D. Seymour, $10.

POMONA

Employee suggestions for the week ending Nov. 15 totaled $250. They were:

Dept. 8: Eleanor C. Heflin, $27.

Dept. 25: R. M. Lewis, $10; W. C. Talleur, $10.

Dept. 27: L. L. Jenson, $15.

Dept. 31: F. C. McMahan, $10.

Dept. 51: G. T. Griffin Jr. (two awards), $41.

Dept. 61: G. Kosky, $14.50.

Dept. 72: C. C. Clark, $35; L. G. Miller and P. W. Estus (two awards), $20; J. F. McCoy, $10.

Dept. 73: G. F. Gaither, $57.50.

C.I.P.'s for the same period included:

Dept. 27: E. I. Weed.

Dept. 53: A. L. Marker (two awards).

Dept. 63: S. Herman, E. V. Russell.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective Nov. 14:

Dept. 6, Engineering: To GFE asst. supervisor, O. Tucker (eff. 10/24/55).

Dept. 8-2, Industrial Engineering: To factory methods supervisor, G. M. Coole.

Dept. 27-9, Quality Control: To inspection asst. supervisor, J. W. Barrett.

Dept. 31, Experimental: To foreman, B. A. Clemmons.

Dept. 201, Sheet Metal: To asst. foreman, S. I. Moore.

Dept. 440-4, Model 7 Material: To material control asst. supervisor, A. M. Goldstein.

Dept. 522-1, Manufacturing Control: To M/C asst. foreman, E. L. Sylvester (eff. 11/7/55).

Dept. 529-0, Palmdale: To accounting supervisor, N. J. Barnes (eff. 10/17/55).

Dept. 558, Model 7 Tank & Propulsion: To asst. foreman, D. A. Hottell.

POMONA

Dept. 25, Plant Engineering: To asst. foreman, R. H. Rice.

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D. L. Johnson is now chief of manufacturing planning and methods, Plant 2, Dept. 8-2.

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Personals

SAN DIEGO

We extend our thanks and appreciation to the friends and fellow workers of Teddy Edwards, Dept. 110, for their kind expression of sympathy, cards, flowers and calls paid him the past two years and ten months.

Mrs. H. T. Edwards and family

Flight Tests Underway On B-58 Systems at FW

Flight tests for much of the equipment and a number of the systems for the B-58 supersonic bomber were well under way at Convair Fort Worth this week, long before there is a B-58 to fly.

Veteran aircraft such as B-36 No. 51, which has been located at Convair FW longer than any other craft of its type, are being used for the actual flying.

Technical name for the project is "Pre-B-58 Flight Testing" with R. W. Moller and engineering flight test crews having major responsibility for the program's success, though development and flight crews are called in at almost every point, as are representatives of vendors supplying the equipment and systems.

Security prevents disclosure of the specific equipment involved, but they are in the categories of radar, radio, computers, armament, etc. Procedure is for development department crews to install one of the systems, with technical help from the company that made the system. Then the airplane is taken up by one of B. A. Erickson's flight department crews. Vendor representatives, with help when necessary from engineering flight test, try out the system in flight, at different speeds and altitudes.

In addition to B-36 No. 51, four other airplanes have been used: B-36 No. 143, an F-89 jet fighter and two C-131Bs (one of the military versions of the Convair-Liner Model 340). In the next several months, more planes are due: B-47 jet bombers, an F-86 jet and a third C-131B.

Flying and maintaining such a variety of aircraft is a neat trick in itself. A Convair pilot, for instance, may find himself at the stick of a B-36 one day, an F-86 the next and a C-131B the day after that.

Supt. R. W. Dodd's development field operations crews have a similar job on service and maintenance. They have these planes (plus some others on still other projects) to groom. But no matter what the plane, they've got to keep it flying.

Heaviest flight load, though, goes to No. 51, which has been an engineering test airplane for years. It came off the Convair Fort Worth assembly lane and flew for the first time on Feb. 18, 1949. Since that time it has logged about 1,200 hours in the air, almost all of it on engineering tests for B-36s and the B-58.

MORE DEPTS. AT FW JOIN IN ADOPTION OF NEEDY FAMILIES

(For picture, see page 5.)

Five departments added their names this month at Convair Fort Worth to the fast-growing list of departments that will "adopt" needy families for Christmas.

The additions are: GFP section of material department, engineering, process control, inspection-modernization and contracts.

In addition, personnel, industrial security, tooling and pattern shop had already started volunteer donations.

The donations represent what Convair employees would spend usually for Christmas cards and postage for fellow employees. Instead, the money is given to brighten the Christmas for families who otherwise might not have a Christmas.

Departments that would like to start funds may obtain information and names of needy Convair families or Fort Worth families by calling E. G. Crosier at ext. 5269 or 4250.

Play it Safe Dec. 1 On Safe-Driver Day

(Continued from Page 1)

the hazards, perhaps even save a life.

Further, S-D Day is designed to show that if by individual alertness traffic accidents can be reduced on one day, they can be reduced on every day by the same continued care.

FOR DRIVERS: Be sportsmanlike; Obey traffic regulations; Drive at reasonable speeds; Don't weave and cut in—stay in line; Don't pass unless there is plenty of room and visibility; Be continually ALERT to the possibilities of accidents.

FOR PEDESTRIANS: Cross streets only at intersections and on proper signals; Look before you cross and watch out for turning cars; never go into a roadway from between parked cars; When walking at night wear or carry something white so that drivers can see you.

Convair FW Boy of 8 Hit by Train, Killed

Jon S. Haasch, eight year old son of Herbert P. Haasch, Dept. 92 employee at Convair Fort Worth, was killed Nov. 20 when struck by a train near Benbrook at the Fort Worth southwest city limits.

He is survived by his parents and a sister.

Births

SAN DIEGO

FOSTER—Daughter, (unnamed), 6 lbs. 4 oz., born Nov. 23 to Mr. and Mrs. C. T. Foster, Dept. 528.

ORLANDO—Son, Joseph Mike, 7 lbs. 6 oz., born Oct. 19 to Mr. and Mrs. Marion Orlando, Dept. 43.

POMONA

MILLARD—Son, Douglas Earl, 7 lbs. 5 oz., born Nov. 6 to Mr. and Mrs. Ted Millard, Dept. 6.

WILSON—Daughter, Dianne Louise, 7 lbs., born Oct. 26 to Mr. and Mrs. Delmer M. Wilson, Dept. 72.

Institute on Human Relations Planned For Dec. 5, 6 at SD

A Human Relations Institute will be held next week at San Diego (Dec. 5 and 6) at the Institute of Aeronautical Sciences, under the auspices of the NAF.

Institute chairman is Wayne Zook of Dept. 9, NAF area director. Coordinating for Convair is Harold Rountree of Dept. 3.

An estimated 150 from Convair will attend, with the company and the Convair SD Management Club paying part of the registration fee. Tickets are being distributed through top supervision.

The program will include panel discussions and talks on such subjects as selecting and promoting personnel, communications, human relations and labor relations. Convair men taking part include T. W. Wills, executive development administrator at SD, and Bob Elo of Dept. 52, president of the Convair SD Management Club.

Ticket Sale Dec. 1 For CRA Ice Show

(Continued from Page 1)

many others. In all there are 10 production numbers and 20 specialty acts.

"We've taken a look at the improvements made in the Arena since last year and believe CRA members will like them," said President Larry Roth. "For instance, a new parking lot (2,000-car capacity) has been completed, the interior of the building repainted and new seats installed."

Tickets are being sold on a first-come, first-served basis. The house seats 3,900.

Fefferman Speaker For Mech. Engineers

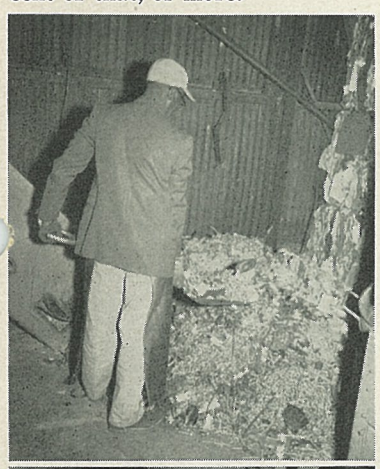
Robert Fefferman, Convair SD design specialist, was the main speaker at the Nov. 22 meeting of the San Diego Section, American Society of Mechanical Engineers, held at the IAS Building, Harbor Drive.

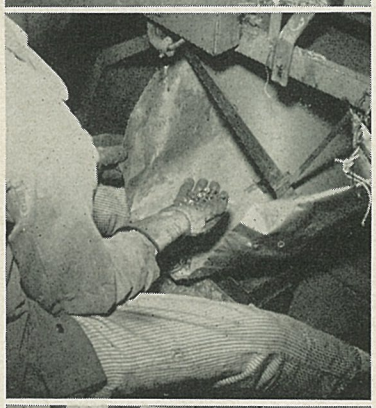
Fefferman discussed the challenging problems facing the United States' 350,000 engineers in their jobs, home life and future.

Each Day $400 Picked up Off Convair FW Floors In Form of Small Parts

About $400 is picked up off the floor every day at Convair Fort Worth.

Not in nickels, dimes and dollars—but in nuts, bolts, clecos, screws and other pieces of small hardware that are worth every cent of that, or more.





SWEEPINGS—In top picture, Will Darden of salvage shovels conglomeration of scrap onto conveyor. Materials were swept up from FW floors. Center: clecos, worth 10 cents each, salvaged by separator machine. Below: Leon Alenik of conservation and J. T. Tyler of salvage examine "what is left," too expensive to reclaim.

The stuff could be dumped as a complete loss. But it's not. At least not all of it.

Clecos cost about 10 cents apiece. About 20,000 a month are reclaimed—or about $2,000 w o r t h. They're put back to work.

The rest of the scrap goes out, however, because engineers figure it costs more to sort it than it's worth, according to Cecil McClure of conservation section of industrial engineering.

But it isn't a complete loss, thanks to reclamation and salvage crews of material department. They feed the floor sweepings into a machine in the salvage area that sorts out paper and clecos. Paper is burned and clecos are reclaimed. The rest is sold as scrap.

"We get about $1.20 a pound," said Joe Doggett of salvage. "But of course it's still a losing proposition because you can be sure that we paid more for it in the first place than we're getting back."

McClure pointed out that many of the items are swept up from around storage bins. Employees sometimes take more than they need. The surplus falls on the floor. Unless someone stops and picks it up, it is left for the sweeper.

"We're doing a lot better than we used to," he said. "During peak production we lost up to 43,000 pounds a month. Now it's down to 10,000 to 15,000 pounds a month. That's still a lot of hardware: about 100,000 pounds in the course of a year.

"And with rising costs of production materials, it means that dollar-wise it costs more when a bolt or screw is wasted.

"Employees can help merely by exercising ordinary care."

Refresher Proposed For Mech. Engineers

Convair San Diego employees interested in a special refresher course in mechanical engineering may contact SD training section, Bldg. 14, Plant 1, for details.

The course would be offered by the University of California extension (if enough register) and would be set up to prepare for the second portion of the state examination for registration of professional engineers.

Deadline for applying for this training is Dec. 5.

Titanium Bolts, at $3.65 For Each, To Get 'Gold Nugget' Treatment

(For picture, see page 5.)

Titanium bolts will be treated like "nuggets of gold" when they go into new aircraft production lines at Convair Fort Worth.

"Pound for pound, they're about as expensive as gold—and harder to come by," explained K. A. Day, assembly manager. "They'll be handled accordingly."

Convair is the first aircraft manufacturer to use substantial numbers of titanium bolts—which are 43 per cent lighter than steel bolts of the same rated strength. But they're many times more expensive. One titanium bolt, for example, costs $3.65. A like bolt used on the B-36 costs 6 cents!

"The doctor sent me south for my husband's health."

"They're worth every cent of it in weight-saving for today's aircraft, of course," said Day.

Losing a few 6-cent bolts in the B-36 program didn't mean too much. But misplacing many titanium bolts—at $3.65 each—could mean heavy losses. So they will be accounted for—piece by piece—from the time they're merely an idea until the time they're on an airplane that takes off.

Engineering tells exactly how many such bolts are needed for each assembly. Based on this, the material department orders the bolts.

Thus far, they're on order from two firms: Standard Pressed Steel Co. of Jenkintown, Pa., and Voi Shan Co. of Los Angeles.

From the time the bolts are released to the time they are in the airplane, they are carefully followed by paper work. If lost, or damaged, they must be accounted for.

"No bolt will go unaccounted for," said Day. "Especially when we pay about $28 a pound for the stuff—and get back only 75 cents a pound when it's scrapped."

High cost of titanium parts arises from the fact that the metal is new, machining is expensive and production low. Costs are expected to come down as use increases.

PILOT PANEL—This was scene at Convair SD Management Club meeting during which test pilots told their experiences. In pressure suit is J. M. Fitzpatrick.

Test Pilots at SD Give 'Cockpit Views' On Four Different Convair Airplanes

An F-102A pilot hears no "sonic boom" as he moves through the sound barrier; and only the experienced can detect the transition . . .

When the pilot pulls up the nose of the XFY-1 "Pogo" while shifting from horizontal to vertical flight, he is in conflict with his flyer's instinct . . .

Reversing pitch during an R3Y landing causes the 80-ton flying boat to "crouch" noticeably in the water and come to a sharp halt with a very brief run . . .

These were among the answers produced this month when a panel of test pilots gave cockpit views of four outstanding Convair airplanes. Audience included some 800 members and guests of the Convair San Diego Management Club, meeting in the Balboa Park Club.

On the panel were "Skeets" Coleman of the XFY-1; Don Germeraad of the R3Y; Dick Johnson of the F-102A; Jack Long of the Sea Dart; with Phil Prophett, SD chief of engineering flight test, as moderator.

From the standpoint of information, as well as entertainment, it was among the year's outstanding club programs. Sponsors were quality control and production flight departments, with Bill Harwell of the latter at the microphone.

Following are some of the key questions (submitted by club members) and the answers:

★ ★ ★

QUESTION: Does a pilot carry sufficient oxygen on his body to last for duration of parachute descent?

COLEMAN: About four minutes supply in a bail-out bottle, plenty to last from moderate altitudes.

QUESTION: Why is a pressure suit needed?

(Pilot J. M. Fitzpatrick, currently stationed at Edwards AFB, dressed in regulation high altitude suit, answered this one.)

FITZPATRICK: Above 45,000 feet the ordinary oxygen mask is inadequate. Oxygen must be taken in under pressure, and at such altitudes the human body requires counter pressure to survive. Normally, this is supplied by cockpit pressure in the airplane. When leaving the plane at high altitudes, the pressure suit is a substitute for cockpit pressure. It is emergency equipment only.

QUESTION: What does a pilot have to do to prepare for leaving his ship at high altitudes?

JOHNSON: First is depressurize, to avoid "explosive decompression"; then jettison the canopy; then fire the ejection seat. From then on the pilot's equipment (parachute, etc.) is automatic—until he reaches the ground.

QUESTION: On takeoff runs of the Sea Dart it appears that the pilot is subjected to continuous jarring action . . .

LONG: Yes, however development of shock absorption devices in the ski mechanism have reduced this condition in the cockpit to a satisfactory degree.

QUESTION: Does the R3Y "crouch" in the water when reverse pitch is used on landing?

GERMERAAD: Yes, it settles as it comes down off the step and for a fast stop reverse propeller pitch gives the sensation of having run into an arresting barrier.

QUESTION: Is there a military need for the Sea Dart?

PROPHETT: That is up to the military to decide . . .

LONG: But we have established with the Sea Dart that we can build a satisfactory airplane of this concept.

QUESTION: What is your advice to young men wishing to become test pilots?

JOHNSON: Military aviation is becoming more and more the road to take, and possibly nowadays the only road . . . because it is difficult if not impossible to receive the specialized training elsewhere.

QUESTION: With so many automatic devices in modern airplanes, is the pilot "just along for the ride"?

COLEMAN: Although the pace has stepped up so that human reaction isn't fast enough to perform some of the functions they did with slower planes—requiring automatic devices as substitutes—nevertheless, planes are getting harder to fly. There are more mental calculations to be made . . . and more years of experience are required to anticipate trouble . . . Emergencies can happen in such a hurry . . .

PROPHETT: There may be less to do with the hands, but more with the head . . .

QUESTION: In push over to level flight, is buffeting experienced in the XFY-1, even though airspeed increases?

COLEMAN: No. The sensation is as though beginning to "plane" when on water skis.

QUESTION: What type of failure is of the greatest concern to test pilots?

GERMERAAD: Structural comes first . . .

QUESTION: What are the sensations when passing through the sound barrier? Do different airplanes react differently?

JOHNSON: Having read of "crashing the sound barrier" you probably would be disappointed when flying the F-102A for the first time. There is scarcely any sensation at all, and only after experience can you detect a slight "weaving" at that instant . . . Other airplanes react differently. Those with the thickest wings have the harshest reaction.

QUESTION: What is the most difficult part of flying the XFY-1?

COLEMAN: I think it is when shifting from horizontal to vertical flight. It is against pilot instinct to pull the nose straight up and reduce power at the same time.

QUESTION: Is there a noticeable jolt when the F-102A drag chute opens? Is the chute popped before touch-down?

JOHNSON: It is a pleasant sensation, a firm and steady deceleration. The chute can be snapped before touch-down, if at reasonable altitude, say 25 feet or less. Incidentally, the airplane maintains a very high angle of attack on landing roll and the chute causes no nose-down pitch.

QUESTION: Are flame-outs as common as it would appear?

JOHNSON: They are extremely uncommon. I can't remember of hearing of one in a couple of years.

QUESTION: When will the R3Ys and F-102As go into regular military service?

GERMERAAD AND JOHNSON: In the spring of next year.

PATENT WON AFTER FOUR-YEAR WAIT

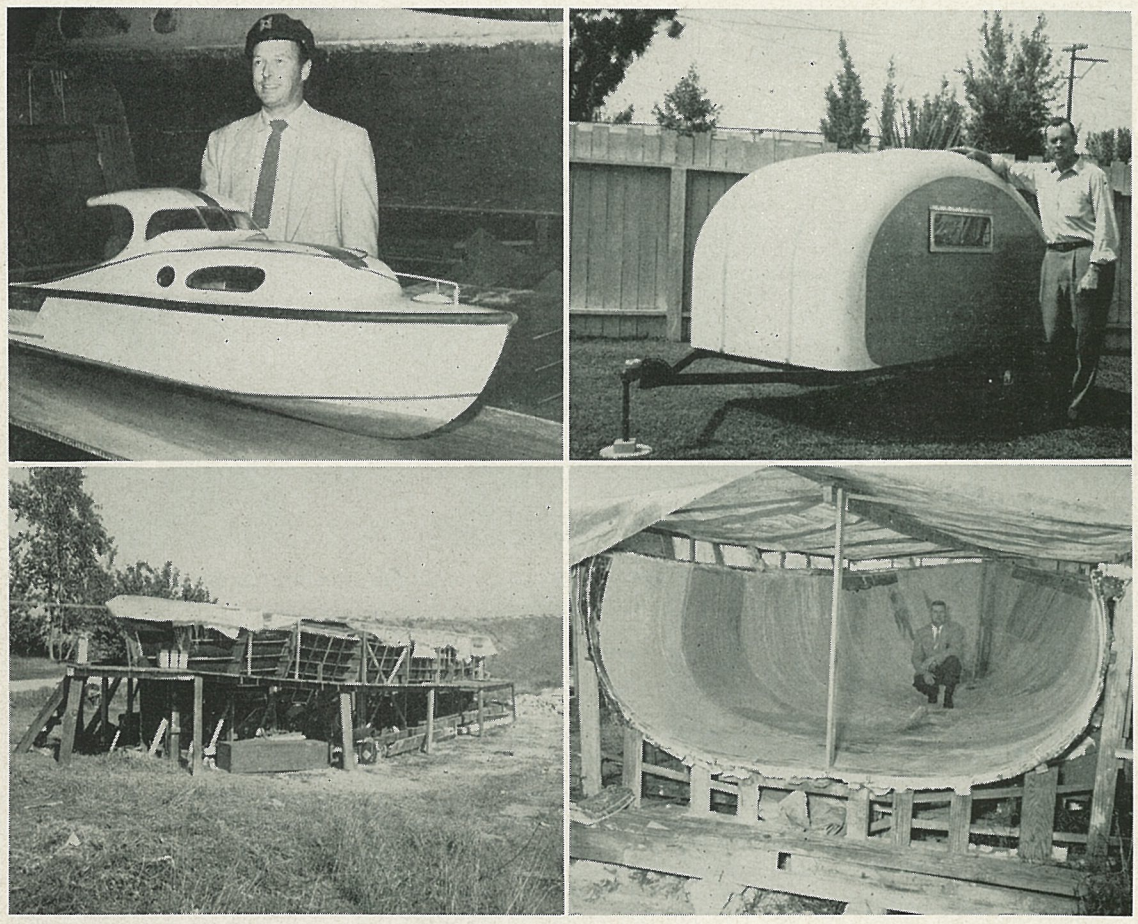
A new method for sighting a plumber line has been patented by E. C. Mitchell of Dept. 72 at Convair San Diego after a wait of over four years.

Mitchell's "electro" plumb bob contains a pin battery and a tiny bulb which shines through a hole .70 of an inch in diameter at the base. A screw top allows him to turn the light on or off as needed.

"The light pin points exactly on center, making it possible to sight a plumbed line faster and to mark it more accurately," Mitchell said.

While his idea was original, it contained some features of other plumb bobs which had been submitted for patents, so Mitchell was forced to change and re-submit his idea 15 times before it was approved for a patent.

"I hope none of you guys are in a big fat hurry to get home from work."



IT'S ALL GLASS—At top left is Ralph Norris of SD Dept. 31 with model of 32-foot cruiser he is building; while at top right is a trailer Jim Spurgeon of Dept. 6 built of fiber glass. Lower pictures show ambitious undertaking of SD's H. W. Meyers, a 30-foot cabin cruiser.

SD Dept. 255 Sets Cost Cut Record

Convair SD's Dept. 255 (tubing and cable) has led the list in the continuing cost reduction contest now for six consecutive months, a record in first places as well as in continued excellence.

The department, under Mike Alianelli, has a record of six "win" tickets, and one "place" this year.

Dept. 255 is a member of Supt. Frank Blair's team at Plant 2 which has uniformly placed high for many months. A teammate, Dept. 203 (welding, heat treat), which placed second during October, has three firsts to its credit and one "place."

Most noteworthy advance during October was recorded by Dept. 56 (340 primary) which climbed from ninth to third place.

★ ★ ★

340 Major and Final Alone Atop Heap in Housekeeping Contest

For the first time this year a single function stood alone at the top of the continuing good housekeeping contest at Convair San Diego during October. Usually, three, four or even more groups tie for first.

Model 340 major and final departments (37, 51, 52, 55, 56, 57) under Supt. J. F. Glenn boasted the only perfect record for the month.

R3Y major and final-F-102 components was tied for second place with electronics.

Total weighted violations increased by 19 over the September totals, bringing the average violations per employee to .012 as compared to .011 in September.

Average Violations per employee

	Oct.	Sept.
340 Major & Final	.000	.012
R3Y Major & F-102 Comp.	.002	.000
Electronics	.002	.000
Material	.004	.004
Tool Mfg., Plant 1	.005	.026
Field Operations & Plastics	.005	.048
Fabrication, Plt. 1	.010	.010
Fabrication, Plt. 2	.011	.006
Mfg. Control, Plt. 2	.014	.000
Plant Engineering	.014	.022
F-102 Major	.015	.008
Mfg. Control, Plt. 1	.017	.000
Experimental	.018	.009
F-102 Final	.023	.004
Tool Mfg., Plt. 2	.029	.010

★ ★ ★

Plant 1 Functions Leading in Safety

Plant 1 functions led the way in the monthly safety contest at Convair San Diego during October with fabrication, manufacturing control and electronics tied for first place.

Strung out behind the leaders in order were Model 340 major and final, material, plant engineering, and manufacturing control, Plant 2.

Getting Larger

Two Building Cruisers at SD As Glass Boat Projects Grow

Paint brushes are making a strong bid to replace hammers and nails among a growing "do-it-yourself" group at Convair San Diego.

And it's due largely to fiber glass.

In its natural stage (a cloth), fiber glass looks much like any other fabric. But when treated with a liquid substance with brushes, it becomes a tough, almost indestructible, covering. Since this covering is applied directly to a structure or shaped by use of a mold, nails and hammers are of no use.

Boats are by far the most popular items being built, dating back even before CRA Fishing Club at San Diego sponsored a joint building venture which turned out 160 boats of the 16-foot class. (Convair Pomona is now engaged in a similar project and a like project has been active at Fort Worth.)

However, boats do not constitute all of the interest. **Convairiety** has reported on model airplanes, automobile bodies and a number of other projects involving fiber glass.

Jim Spurgeon of Dept. 6 at San Diego has found even another use. He fashioned the body of a "camper" trailer of the material, saving something over 300 pounds in weight (it weighs a total of 300 pounds). His "tear drop" trailer sleeps two, has room for cooking and storage space for both food and water.

One of the most ambitious undertakings is taking shape in the back yard of H. W. Meyers, Plant 2 tooling superintendent. He's building a 30-foot cabin cruiser that will be about 95 per cent fiber glass.

Meyers is about half finished with his task, having spent almost a year building the mold. He feels that his plaster mold can be used again with minor repairs since it is made to come apart in six sections when his hull is completed.

To date, he has used about 9,000 feet of glass cloth. He first puts in about 10 layers of cloth, then about one inch of honeycomb material and more cloth. His hull ranges in thickness up to about 10 inches near the engine mounts. Following mounting his Chrysler engine, he will shape a cabin of fiber glass and top it with a removable canopy. Total weight with 100 gallons of fuel will be about 4,000 pounds.

Ralph Norris of Dept. 31 has finished a 14-foot boat, modified a 16-foot boat and is now engaged in building a fiber glass superstructure for a 32-foot cruiser. This will be mounted on a wooden hull covered with fiber glass, allowing him to save something like 3,000 pounds in weight.

M. O. Martin and Tommy Fago, both of Dept. 31, have finished what they call a "sportility" boat of fiber glass. With a 40-horsepower motor, their 12-foot (plus) boat will do 35 miles an hour and can be used for either fishing or water skiing. In their spare time they're working on an auto body of the same material.

"Darling, remember the bet we made when you tampered with the water meter? Well, I win."

Three Win Turkeys In Chess Contest

Robert Brieger, Donald Olson and Cliff Jorgensen won turkeys during the recent elimination chess event at Convair San Diego, Commissioner A. E. Munson reported. The tournament has extended over the past few weeks with 24 players taking part.

Club Will Determine 'Photographs of Year'

Print of the year winners will be determined Dec. 12 at Convair San Diego when SD Camera Club winners from each of the four quarterly contests compete against one another. The meeting is set for the Photo Arts Building, Balboa Park, starting at 7:30 p.m.

NILL ACTING CHIEF

Paul S. Nill this month was named acting chief of systems and procedures at San Diego in the absence of D. A. Woellner, who is on an executive development training assignment.

'Player Piano' Calls 'the Tune' For Rivets in B-52 Wing Skins

The player piano that graced many an American living room back in the early part of the century may have led the way to better and faster riveting at Convair Fort Worth.

The player piano's "brain," of course, was a roll of paper

(A similar machine is being put into use at San Diego with work on F-102 skins.)

punched with holes. The pattern of the holes determined which notes played — and what tune came out.

On the new Drivmatic riveting machine at Col. 46-B in Dept. 42, the idea's the same. But instead of a piano roll, there's a roll of glass cloth. Instead of a pattern of holes, there's a pattern of precisely placed black marks.

It's the black marks that "call the tune": rivet after rivet in the huge surfaces for the outer wings of the B-52 jet bomber.

The skin—30 feet long and six feet wide—is first placed on the Drivmatic's carriage. It's the largest assembly ever used on the automatic machine, according to J. D. Hutson, tooling analyst.

As the piano-type roll begins to turn an electronic eye scans the roll. Electronically, the machine responds to the pattern of black marks and follows these "orders."

The machine positions the wing skin, drills a hole, countersinks the hole and puts the rivet in place, all in a matter of seconds.

Five Years Ago . . .

Following are brief excerpts from Convairiety of five years ago:

★ ★ ★

Flight test of new model B-36, the B-36F, revealed.

* * *

First B-36D modernized at San Diego goes to field operations.

* * *

Turboliner nears flight status at San Diego.

* * *

AF Procurement Field Office moves from Convair Fort Worth to new quarters.

* * *

B-36 guns tested at Lindbergh Field gun butts in first such tests at San Diego.

* * *

E. C. Costantino elected president of Convair FW Management Club.

Tropical Fish Club To Raffle Prizes

Tropical Fish Club members at Convair San Diego will concentrate on families Dec. 12 when they hold their regular meeting beginning at 7:30 p.m. in the CRA Clubhouse.

Movies will be shown, refreshments served and a novelty raffle will be staged with tropical fish donated by club members as prizes.

Runyon Will Speak For Golfers Dec. 1

Paul Runyon, golf professional at La Jolla CC and one of the great names in golf, will speak on "Reminiscences" tomorrow night (Dec. 1) 7:30 p.m. at a meeting of the Convair Golf Club in the auditorium of the Natural History Museum in Balboa Park. Runyon is a former P.G.A. champion and holder of many other titles.

Depts. 11 and 15 Plan Dance at El Cortez

Depts. 11 (contracts) and 15 (parts sales) of Convair San Diego will hold a joint Christmas dance Oct. 10 at the El Cortez Ballroom.

The annual affair this year will be a dance only, starting at 9 p.m. and continuing until 1 a.m. Al Cassell and his orchestra will provide the music. There will be door prizes.

OFFICE MANAGERS HEAR SD SPEAKER

D. A. Woellner, chief of systems and procedures at Convair SD, discussed "Integrated Data Processing and Your Future" at the Nov. 15 meeting of the San Diego Chapter, National Office Management Association, meeting at Mission Valley Country Club.

Expert on Rockets Will Speak Dec. 7 At Arlington State

Dr. Walter R. Dornberger, one of Germany's top rocket experts in World War II, will speak Dec. 7 before the North Texas section of the American Rocket Society.

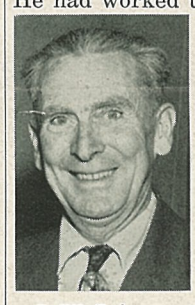
The meeting will be at 6 p.m. in the Arlington State College engineering auditorium.

Dr. Dornberger, guided missile specialist for Bell Aircraft Corp. at Buffalo, after World War II worked with the Air Force at Wright-Patterson AF Base. He commanded Germany's experimental station for work on liquid fuel rockets and was commanding officer of the center where V-1, V-2 and Wasser Fall weapons were developed, as well as special commissioner of the Reich for all V-weapons and guided missiles. He was a major general when the war ended.

All interested Convair employees are invited to attend the Dec. 7 meeting.

F. W. Delaney, Convair Veteran, Dies at 61

Frank W. Delaney, 61, of Dept. 603 at Convair SD, died Nov. 21. He had worked that day as usual and was stricken with a heart attack on his way home.



F. W. Delaney

A native of Winona, Minn., he had been a resident of San Diego for 20 years. He had been in the aircraft industry since 1918, joining Convair in 1935.

He is survived by his wife, Mrs. Amelia Delaney; a daughter, Mrs. Eileen Blair, three brothers, a sister and two grandchildren.

Controller's Dance Has 'Mystery' Angle

A "mystery man" and a "mystery woman" will be featured guests at the annual Convair SD Controller's Christmas party set for Dec. 10 at the Hotel del Coronado.

Sometime during the night, their identity will be revealed and the man and woman dancing with the mystery pair will receive gifts.

Festivities start at 7:30 p.m. with dinner in the Crown Room to be followed by dancing in the Circus Room at 9 p.m. to the music of Francis Leonard and his orchestra.

Caravans of Cars Go to Palm Springs

Convair San Diego Sports Car Club will send two caravans of cars to the ninth running of the Palm Springs Sports Car Races this week end.

Cars will depart at 7:45 a.m. both Saturday and Sunday. Wally Edwards of Dept. 6 will race his Edwards Special.

SD Riders to Name Officers for Year

Equestrians at Convair San Diego will select their slate of officers for the coming year when they gather at Palomar Stables for a business meeting and "pot luck" dinner Dec. 10.

"We hope all Riding Club members will turn out to help elect leaders for the coming year," Commissioner Marc Beresford said.

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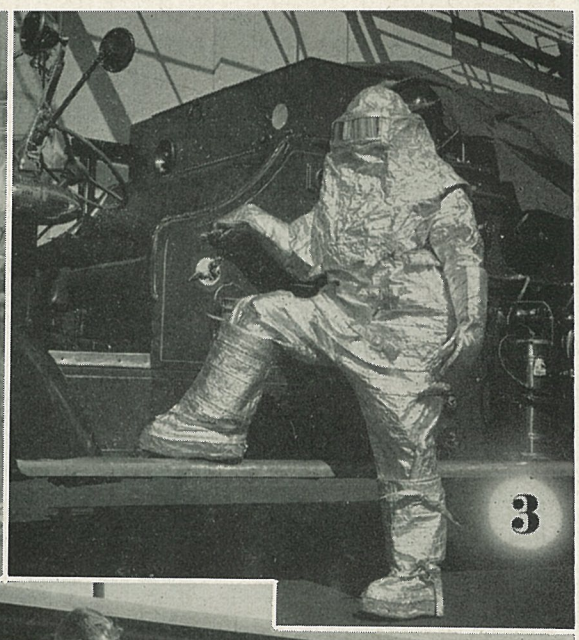
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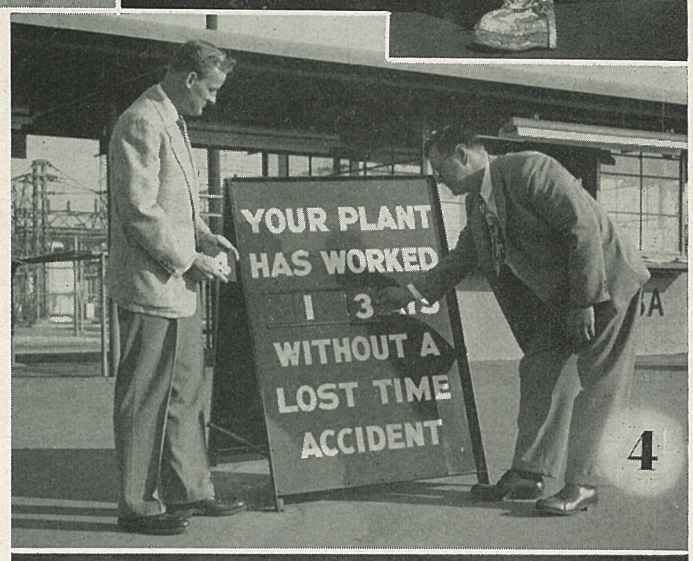

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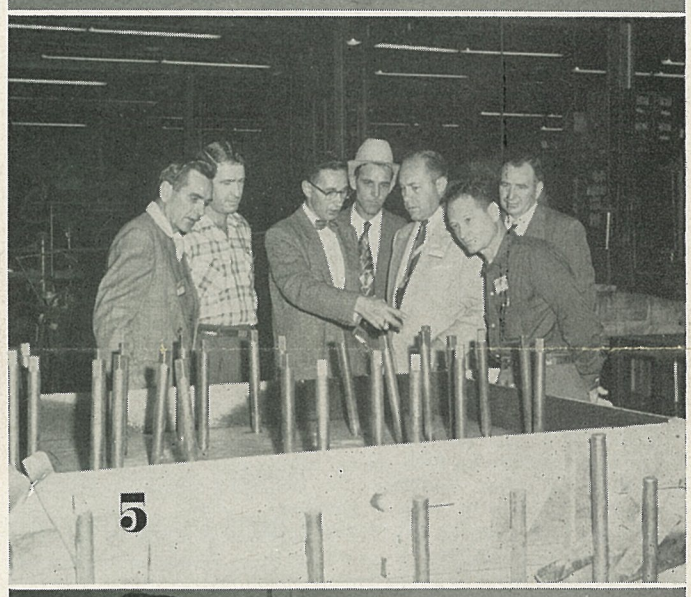
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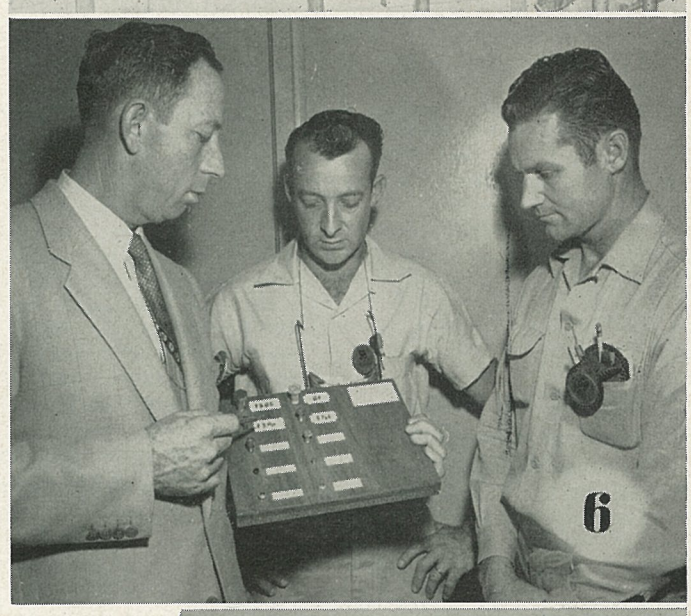
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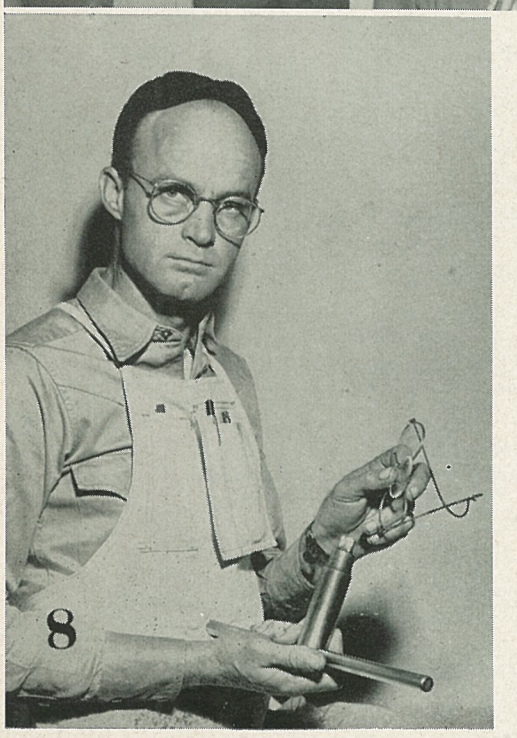
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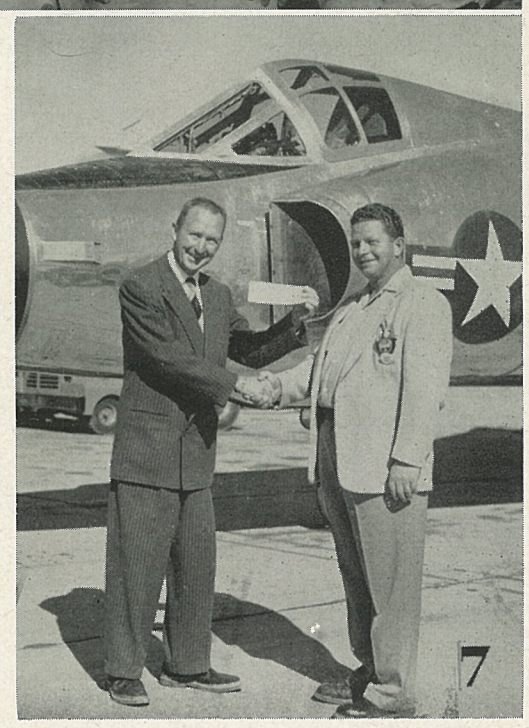
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(1) Gen. Matthew B. Ridgway, former Army Chief of Staff, left, presents statuette to John Jay Hopkins, right, chairman and president of General Dynamics Corporation, symbolic of recognition as "Industrialist of the Year." Lester J. Steele, center, is 1955 president of Society of Industrial Realtors which annually sponsors award.

(2) It was 20 below zero when this picture was taken at Eglin Air Force Base's climatic hangar where Convair F-102A is undergoing weather testing. These are men who are conducting program. Front row, extreme left, is N. M. Reierson of Convair instrumentation. Back row, left, is H. D. Booth, also of instrumentation. Back row right is Ronnie Taylor, field service engineer.

(3) Scarcely recognizable in new "fire armor" is SD Fireman Donald L. Spencer. Suit uses new principle of reflecting heat, rather than relying on insulation to protect man within. Even while walking into center of a fire, it never gets hotter than 108 degrees inside. Convair SD now has four such suits and there are two at Palmdale.

(4) Twice Convair Pomona reached 13 days without a disabling accident only to have the day live up to its unlucky reputation. Third time was a charm, however, and Neal O'Neill, safety engineer, and Roman Schulte, safety inspector, are shown changing sign to 14.

(5) Members of Convair Fort Worth Management Club are shown visiting Bell Aircraft at Hurst, part of a new program of learning about other industrial concerns. Left to right: C. A. Haslett and H. A. Chambers of Convair; Louis Vasse of Bell; R. G. Mack, W. D. White, C. B. Carr, M. E. McFarland of Convair.

(6) Supt. J. E. Crumbley at Fort Worth uses a peg board to illustrate high costs of new titanium bolts. Center is S. R. Walker and at right is N. McMurtre, both of Dept. 56. Titanium bolt at top costs $3.65 while opposite this is 6-cent bolt of same strength, but far more weight. Story on page 3.

(7) W. L. Wellington of Convair Palmdale, right, presents $648 check to Robert Wholley, chairman of funds raising committee for South Antelope Valley Community Chest, representing Employees Con-Trib-Club donation for that area.

(8) Here was an unusual accident at SD. E. D. Wood of Dept. 25 was tooling a piece of metal on a lathe when a wrench struck one lens of his safety glasses, knocking out the entire lens. He was unhurt. Ordinary glasses would have broken.

(9) Christmas giving takes a practical turn at Fort Worth as Dept. 82 people contribute money that they otherwise would have spent for Christmas cards. It will go to help needy. Lucy Boseman starts the contributions as Constance Wright, D. P. Lee and C. E. Howard stand by.

(10) Flight captains of Scandinavian Airlines System (SAS) are attending Convair-Liner school at San Diego in preparation for flying their Model 440s. They are shown watching Willy Birkrem of Dept. 55 stencil SAS on a part. Left to right: S. B. Jahnmatz, J. Littlejohn, chief flight instructor, Birkrem, O. F. Solvang, H. Stenvik.

(11) When Lord Louis Mountbatten visited Patuxent Naval Air Station one of points of interest was this R3Y bow-loader which is undergoing a test program there. Admiral Duerfeldt is third from left.

★ ★ Rivets ★ ★

Con-Trib-Club receives a number of notes and letters of thanks for its services from time to time. Many are conventional acknowledgments from charities. Others are from individuals who have received help under the Emergency Aid program.

The letter published below is typical of the latter. Although the name is withheld to avoid any possibility of embarrassment, it is bona fide and was written by a Convair man who suffered a heart ailment and is now convalescing.

"I wish to express the complete and most sincere gratitude of myself and my entire family. The assistance you have rendered us in our time of need was deeply appreciated and totally unexpected. I had always thought the services of Con-Trib-Club were for outside organizations only. You can imagine my surprise on finding that help was available to Convair employees also.

"Without your help I really don't know what we would have done.

"Thank you very, very much. . . ."

* * *

When **Barbara Hammon** of Dept. 6 SD left Convair to prepare for an increase in the family, control group of engineering gave her a going away party and presented her with a "one-year pin." Instead of the traditional eagle, the emblem had a stork!

* * *

For the second year it has been young **Jerry Stryker,** high school age son of **G. L. Stryker** of Dept. 31 SD, who has supplied the Thanksgiving turkey for his family.

Jerry last year was second in the annual CRA basketball "turkey free throw" and this year, while his mother and father watched, sank 44 out of a possible 50 to win another bird.

* * *

Roger Jett, one of SD's more ardent sports car fans, evidently thrives on handicaps.

Despite a cranky fuel pump which required him to stop and whack it from time to time, he placed 12th in the Nutz & Boltz, the best of any Convair driver.

The funny part about it was that up until now, even with his car in tip top shape, Roger has never been able to get to first base in a rally of any size!

Demands for Rides Exceeding Drivers

A dearth of drivers willing to share their autos—as well as expenses—with other Convair employees continues to plague the rider-driver section of employee services at San Diego.

At Plant 2 there is a particularly large demand for rides from the National City and Chula Vista area.

At Plant 1 the demand is greatest for lifts from the vicinity of North Park, Adams Ave. and East San Diego extending to La Mesa.

Drivers from these areas, who would be willing to bring others in their cars, were asked to contact Anne King at ext. 594, Plant 2, or Dorothy Marques at ext. 300, Plant 1.

Garden Club Skips December Meeting

Due to the approaching holiday season, the Convair Garden Club at San Diego will not hold its regular meeting in December. Meetings will resume in January on regular schedule, the second Wednesday of each month. New officers will be named at the Jan. 10 session.

Tickets Handed Out For Skating Night

Free tickets to the Dec. 5 Industrial Recreation Council roller skate night are now available at employee services offices at both Convair SD plants.

Free skating starts at 6:30 p.m. and continues until 9:30 at Skateland, Front and "G" Streets.

Rockhounds to Visit Crystal Hill, Ariz.

Convair Rockhounds at San Diego will make a field trip next week end (Dec. 3-4) to Crystal Hill, Ariz., where they will be searching for quartz and limonite crystals.

Crystal Hill is located 22 miles east of Blythe, Calif. and nine miles south of Quartzsite, Ariz. Markers will be placed along highway at turnoff to Crystal Hill, Dan Whorton, CRA commissioner, said.

For further information contact Whorton at ext. 426 or 777, Plant 1.

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George Forbes New Head of Rockhounds

Rockhounds at Convair San Diego this month named George Forbes their president for 1956 during elections held at the November meeting.

Other officers, their departments and titles included: Joe Rogers (300), vice president; Eva Bogen (wife of John Bogen, Dept. 40), secretary, and Frank Gallik (31), treasurer. Board of control members elected were Hal Leppart (5), Lloyd Ackerman (350), Virginia Forbes (70), Ralph Phillipi (6), Lou Rush (350), Howard Musick (6) and Mary Whorton (22).

Desert Bases Make Chest Fund Donations

Two check presentations took place recently in the Antelope Valley when Convair Employees Con-Trib-Club members stationed at Palmdale and Edwards AFB turned over their contributions to Community Chest organizations.

One check for $648 was presented the South Antelope Valley Community Chest in Palmdale by W. L. Wellington, representing Dept. 529 (Palmdale) employees. A second check for $1,272 will go to the Antelope Valley Coordinating Council at Lancaster. The amount each unit received was based on the number of Con-Trib-Club residents in each area.

Palmdale and Edwards Divide Shoot Honors

Convair employees at Palmdale and Edwards AFB split honors when the two groups combined to stage a turkey shoot at the Fin and Feather Range in Palmdale Nov. 13.

Turkeys were presented to the top marksmen with one going to C. F. Wilkerson of Palmdale and the other to J. E. Hittle of Edwards.

WATER SKI FANS TO MEET DEC. 13

Water ski enthusiasts at Convair SD will hold their final business meeting of the year Dec. 13 at the Conference Building, Balboa Park beginning at 7:30 p.m. A Christmas turkey will be awarded as a door prize.

Con-Trib Distributes Over $200,000 During Fiscal Year Ending Sept. 30

Disbursements to charities by the Employees Con-Trib-Club at San Diego for the year ending Sept. 30, 1955, totaled $189,779.83.

Also during the year, disbursements from the Emergency Aid Fund totaled $22,011.94.

Receipts for the year totaled $226,310.57, virtually all of which was contributed by members through payroll deduction.

Community Chests led the list of 32 different charities which received Con-Trib-Club funds during the year with a 1955 pledge of $105,155. (The detailed financial report which appears on page 7 of the San Diego edition shows a total of $80,155, but does not reflect an additional $25,000 gift made just prior to this period for financial reporting.)

Red Cross for 1955 received $25,877 as the next largest gift. (Again, the detailed financial report carries a Red Cross gift of $13,177, with the last installment of $12,700 carried under liabilities.)

San Diego Society for Crippled Children got $11,875; American Cancer Society $11,158; and San Diego County Heart Association $10,000.

Cerebral Palsy Foundation was on the list for $8,500.

During the 12 months there were more than 200 applications for emergency help from Convair people in distress and half again as many pending cases received additional funds. Only one case—that of a family which suffered severe injuries in an automobile accident — reached the $1,000 maximum.

Medical and hospital expenses for severe cases involving costs beyond normal group insurance coverage accounted for the largest single items on the emergency help list.

Rent payments, for families whose breadwinners were incapacitated, amounted to another large item, as did groceries. Other lesser items included clothing, furniture and insurance to tide families over temporary emergencies.

Also during this period, 162 were counseled through the Emergency Aid program.

The Con-Trib-Club ended its fiscal year with a cash balance of $39,438.65.

AWARDS—In top picture, R. B. Walling of Dept. 60 at San Diego is receiving November MacSave-it award from Convair SD Management Club for outstanding cost reduction idea. Below is Luke Barber of Dept. 258, named November "Mug o' the Month."

SD Tooling Processor Lectures For Course

A series of five lectures on carbide cutting tools began this month at San Diego under the auspices of the American Society for Metals, with R. G. Shively of SD Dept. 407, production processor, as instructor.

The first lecture was held Nov. 21 at the Solar Aircraft auditorium, Hawthorne and Harbor Drive. Subsequent lectures will be held 7:30 to 9:30 p.m., Nov. 30, Dec. 5 and Dec. 7. The series is free to members, but a $5 fee is payable from non-members.

Shively, retired Naval officer, is an outstanding authority on the subject.

Family 'Chop Suey' Tourney Offered

Mom, Dad and all the kids will have an equal chance at winning a Christmas turkey Saturday (Dec. 3) at Morley Field when Convair San Diego tennis enthusiasts stage a "chop suey" doubles tournament.

Teams will be selected to give every doubles combination a fair chance, according to Commissioner Chet Dutton. Elimination play will be held at the tournament finished in a single day. Entries may be made by contacting Dutton at ext. 1289, Plant 1.

BECHTOL AND COVINGTON IN PERMANENT POSTS

Two training assignments were made permanent at San Diego recently, with R. E. Bechtol becoming assistant to the SD plant manager, succeeding G. A. Covington, and Covington becoming manager of long range planning, succeeding Bechtol.

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Con-Trib-Club at SD Reports its Spending

Following is a year-end statement covering activities of the Employees Con-Trib-Club at San Diego as of Sept. 30, 1955, detailing disbursements in both the Charity Fund and the Emergency Aid Fund. Both funds have been audited and certified to by Clyde D. Powell, certified public accountant, Bank of America Building, San Diego. Powell's report includes the comment: "All records were maintained in excellent form . . ."

CHARITY FUND

Assets

Cash in bank		$ 39,438.65
Total assets		$ 39,438.65

Liabilities and Surplus Funds

Accounts payable:		
Due Emergency Aid Fund	$ 1,786.39	
American Red Cross—contribution	12,700.00	
		14,486.39
Surplus funds—Sept. 30, 1954	$ 24,502.58	
Add: excess receipts over disbursements for year ended Sept. 30, 1955	12,626.42	
decrease in liability to Emergency Aid Fund	523.26	
	$37,652.26	
Less: Balance due on American Red Cross Contribution	12,700.00	
Surplus		24,952.26
		$ 39,438.65

Receipts and Disbursements (Oct. 1, 1954 to Sept. 30, 1955)

Receipts:		
Payroll deductions—Convair	$226,119.65	
Individual contributions	190.92	$226,310.57
Disbursements:		
Charitable contributions:		
Community Chests	$ 80,155.00	
American Red Cross	13,177.00	
San Diego Society for Crippled Children	11,875.00	
American Cancer Society	11,158.00	
San Diego County Heart Association	10,000.00	
Cerebral Palsy Foundation of San Diego	8,500.00	
Girl Scouts Council of San Diego	6,000.00	
Scripps Memorial Hospital	5,000.00	
National Multiple Sclerosis Society	5,000.00	
San Diego Assn. for Retarded Children	4,500.00	
Boy Scouts Council of San Diego	3,500.00	
San Diego Children's Home	3,000.00	
Children's Dental Health Center	3,000.00	
Y.M.C.A.—San Diego	2,455.00	
Neighborhood House	2,300.00	
Family Service Association	2,200.00	
Camp Fire Girls	2,150.00	
San Diego Sheltered Workshop, Inc.	1,600.00	
Travelers Aid Society	1,500.00	
Edgemoor Farm	1,500.00	
San Diego County Epileptic Society	1,500.00	
Boys Clubs	1,300.00	
United Jewish Fund	1,250.00	
International Guiding Eye, Inc.	1,100.00	
Vauclain Home—San Diego	1,034.83	
Salvation Army	1,000.00	
Muscular Dystrophy Assn.	1,000.00	
Cystic Fibrosis Foundation	1,000.00	
Girls Club of San Diego	800.00	
Y.W.C.A.—San Diego	500.00	
Boy Scouts of America	400.00	
U.S. Naval Hospital	325.00	
	$189,779.83	
Expenses:		
Accounting services and audit	750.00	
Transfers to Emergency Aid Fund:		
Account payable at Sept. 30, 1954	$ 2,309.65	
From current collections	20,844.67	23,154.32 213,684.15
Excess—receipts over disbursements		$ 12,626.42
Cash Balance—Sept. 30, 1954		26,812.23
Cash Balance—Sept. 30, 1955		$ 39,438.65

EMERGENCY AID FUND

Assets

Cash in bank	$ 12,686.13	
Account receivable—due from Charity Fund	1,786.39	
Total assets		$ 14,472.52

Surplus Funds

Surplus funds—Sept. 30, 1954	$ 13,853.40	
Add: excess of receipts over disbursements for year ended Sept. 30, 1955	619.12	
		14,472.52
Surplus funds—Sept. 30, 1955		$ 14,472.52

Statement of Receipts and Disbursements Oct. 1, 1954 to Sept. 30, 1955

Receipts:		
Con-Trib-Club Charity Fund (10% of receipts)		$ 22,631.06
Disbursements:		
Emergency Aid		22,011.94
Excess—receipts over disbursements		$ 619.12
Cash Balance Sept. 30, 1955	$ 11,543.75	
Add: Account receivable Sept. 30, 1954	2,309.65	
	$ 13,853.40	
Less: Account receivable Sept. 30, 1955	1,786.39	
		12,067.01
Cash Balance—Sept. 30, 1955		$ 12,686.13

Movie Calendar

Free CRA movies each Friday at 7 p.m., CRA Clubhouse, San Diego, for Convair employees and their families.

Friday, Dec. 2: RIDE CLEAR OF DIABLO (technicolor), Audie Murphy and Susan Cabot.

Friday, Dec. 9: UNTAMED FRONTIER (technicolor), Joseph Cotten and Shelley Winters.

Plus selected shorts and cartoons.

Davis' 85 Leads SD Golfers in Two-Club Event

An effective 4-iron and a putter paved the way for Russ Davis (Dept. 203) when he fashioned an 85 to win low gross honors in the two-club tournament staged Nov. 19-20 by Convair SD golfers at La Jolla Country Club.

Ray Demitrowicz (Dept. 524) and Phil Parker (Dept. 24) tied for low net honors in the top handicap bracket with 79s.

Jim Lothringer (Dept. 6) copped gross honors in the second handicap group with a 93. Low gross winners in the other two groups were W. Carriker (Dept. 60) with a 95 and T. Floyd (Dept. 24) with a 102. Low net in the second group was tied between J. M. Meyer (Dept. 57) and Cliff Ekrem (Dept. 6) with 77s. Frank Holland (Dept. 401) won third group low net with a 77, while Ray Stevens (Dept. 6) copped the fourth group low net with a 76.

Hoop Team Wins Practice Tilts

Convair's top basketball team at San Diego, which starts the city pre-season tournament next week, has won handily its first three practice games, two against a Navy team and one from Pepsi-Cola.

Although only three members from last year's squad are playing this year, CRA Comissioner Gil Crosthwaite reported that he has one of the strongest clubs in several years.

Two other Convair teams will enter the pre-season tilt, the Convair Eagles, CRA's Industrial League entry, and Convair Mfg. Control, winners of last year's plant championship. These teams have much the same lineups this season as last.

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Frank Evans Sinks 48 in Free Throw

Frank Evans of Dept. 6 tied the record set last year by Dick Excell, also Dept. 6, to win this year's basketball free throw for Thanksgiving turkeys. He sank 48 out of 50.

Evans was the winner in 1953, incidentally, with 42 out of 50.

In second place was Jim Henry of Dept. 22, who sent 46 through the hoop and third was Jerry Stryker with 44 perfect throws. Jerry, a junior at Kearny High, is the son of G. L. Stryker of Dept. 31.

There were 45 entries in the five-year-old event, somewhat fewer than expected, due to inclement weather.

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Plant Basketball Meeting Called

A meeting of prospective managers of Convair SD plant league basketball teams has been called for 3:45 p.m. tomorrow (Dec. 1) in CRA Clubhouse. All team pilots are asked to attend.

CRA Commissioner Gil Crosthwaite said that season plans will be laid and that league play will start the first week in January.

Holloman Keglers Lead Their League

Five fem keglers representing Convair employees at Holloman AFB in the Alamogordo, N.M., All-Variety keg league have been setting a hot pace for other teams in winter bowling competition.

The Convair five now holds top spot in the league after Lela Grenier paced the quintet with a 601 handicap series which included a 189 scratch game. Loraine Stone rolled a handicap 561 series, Ellyn Cromwell a 545 series, and Beverly Hicks a 533 series for a 2,716 handicap team series.

Helen Toole is the fifth member of the winning team.

CRA Sports & Recreation Convairiety

Ninety-Nine Sports Cars Entered in 'Nutz-Boltz'

The largest field ever to take part in an event sponsored by the Convair San Diego Sports Car Club was on hand Nov. 13 for the second annual Nutz and Boltz Rallye.

Ninety-nine cars buzzed out of the parking lot beside Bldg. 19 at one minute intervals beginning at 8:30 a.m. By 5:30 p.m. the cars had completed the 180-mile course which took them over most of the back country of San Diego County and had checked into the finish line at Town and Country Hotel.

"Comments we have received indicate that those entering heartily approved the route, the handling of the meet and other factors," Commissioner Jerry Schultz reported this week.

Six clubs from the Southern California region were represented with B. Palmer and R. Palmer of the San Diego Sports Car Club finishing with the smallest error. Roger Jett of Dept. 9 and his navigator, Jack Shults, paced Convair's entries by finishing 12th.

Ironically, a Convair man traveled the farthest to enter the meet and finished last. He is Dick Weir, a Convair man stationed at Holloman AFB, N.M., who ended up 93rd in the standings.

Only minor mishaps were reported. N. Marechal and his navigator, R. Carsley, of the Douglas Sports Car Club lost some of the gears in the transmission of their Austin-Healey. However, hasty road repairs allowed them to finish third in the standings, minus two gears!

Convair Radio Club manned mobile radio units throughout the course to help expedite check point information and as stand by units in case of emergencies.

Convair SD Archers Planning Full Day With Family Events

Archers at Convair San Diego have a full day Christmas event planned for Dec. 11 at Gold Gulch and Pepper Grove, Balboa Park.

The affair is being set up to attract families with the regular field shoot to start at 9 a.m. at Gold Gulch. A Little Beaver shoot for youngsters 10 and younger and also those 10 to 12 will follow at noon.

A picnic lunch with hot dogs and all the trimmings will be served about 1 p.m. at Pepper Grove. Everything is free.

Commissioner Harry Bing asked this week that those planning to attend contact Mrs. Bing at AT 1-2233, or Mrs. Al Phipps at CY 5-8194 so that sufficient food may be obtained for all.

Shoot Offs Feature SD Gun Club Event

Roy Cunningham, Joe Williamson, Jake Nerlinger, Roy Groth and Jim Halfacre won turkeys in the Nov. 13 shoot staged by Convair SD Pistol Club but not before the last two were forced into shoot offs.

Cunningham won the Class "A" division of the moving turkey target event outright. Groth tied with seven others in the Class "B" event and won in a shoot off. Halfacre and Carl Monds tied for Class "C" honors and had to fire three extra rounds before Halfacre won.

Williamson and Nerlinger won turkeys in the poker hand luck event.

Winners in the added center fire match were Tom Little and Russ Oliver in that order.

Sloane and Cirillo Table Tennis Titlists

Charles Sloane and Ralph Cirillo were crowned unofficial kings of table tennis activities at Convair San Diego last week when they won the annual Thanksgiving turkey singles tournament.

Sloane of Dept. 102 topped a field of 16 players in the night shift section of the tournament held Nov. 22 at CRA Clubhouse. Cirillo (Dept. 70) took first in day shift play that included 36 entries. Bob Lanzo of Dept. 47 won the Class "B" bracket.

SD Ski Clubbers Plan Four-Day Big Bear Jaunt

Forty enthusiatic members of the Convair Ski Club at San Diego have already made reservations for the four-day ski trip to Big Bear Lake over New Year's holiday, Joe Harris, CRA commissioner, said.

Paramount Lodge at Big Bear will be headquarters for the group. In addition to skiing, fans may enjoy ice skating, dancing, singing and dinner parties, Harris added. Special rates will prevail for club members. No registrations will be accepted after Dec. 6. They may be made through Harris evenings at AT 4-0278, or at the regular meeting next Tuesday.

Slides and movies of the club's activities last season will be shown at the Dec. 6 meeting. Meeting time is 8 p.m. in the CRA Clubhouse. There will also be door prizes and refreshments. The club meets regularly on the first and third Tuesdays of each month.

Any Convair employee interested in snow sports is eligible to attend the meetings or join the club. Membership entitles the individual to one free ski lesson at Snow Summit, the Skier magazine, and membership in the Far West Ski Association.

Golfers Plan Xmas Sweeps at Border

Golfers at Convair San Diego wound up one turkey shoot late last month and this week announced plans for a Christmas sweepstakes with turkeys as prizes Dec. 17-18 at Agua Caliente.

The December event will be a partnership best-ball affair in which three-fourths of normal handicaps will be allowed. Entries may be made by calling ext. 541, Plant 2, after Dec. 5.

POWDER AND SHOT—Frank Kemper and Marvin Goodall operate new CRA shotgun shell loader. Sportsmen reload used shells at considerable saving in ammunition.

Name Your Shot!

Hunters Beat High Ammunition Costs by Loading Own Shells

Convair Gun Club members at San Diego have found a way to counter the high cost of ammunition for their trap and skeet activities. They are now reloading their used shells.

Normal costs for these low base shells range from a high of $2.25 down to about $2 per box. By retrieving their empties, club members can reload them for about $1.25 per box, reflecting a savings of up to $1 per box. (If they reload higher priced shells used in hunting (at $1.25), the savings increase considerably.)

CRA put its first equipment into use about the middle of August of this year. Since then some 20,000 rounds of ammunition have been reloaded. That's some 800 boxes or 40 cases of shells!

A second reloader was recently purchased for use of CRA members so that by mid-year of 1956 individual club members expect to save hundreds of dollars on their annual ammunition cost.

The reloader looks a lot like an old-time bottle-capping machine with a series of containers mounted on top of a movable turret. Shells to be loaded are inserted near the base and the containers moved over a slot leading to the shell, each depositing such items as primers, wadding, shot, powder, etc. These are tamped down in turn to keep the load compact.

Frank Kemper has been coordinating most of the activities and indicates an experienced loader can average eight or nine boxes per hour; while a beginner can turn out two to three boxes in about the same time. Speed improves with experience.

Individual shell casings can be used as many as six or seven times.

San Diego Squeezes Past Pomona Net Team For 10 to 9 Victory

Convair San Diego squeezed past Pomona 10-9 in the second CRA inter-division tennis match of the season, held Nov. 12, at Mt. San Antonio College courts near Pomona.

Pomona swept the field in the women's and mixed divisions, but bowed to the superior power of the San Diego men.

Here are complete results, with team affiliations in parentheses:

Men's singles: Dick Collier (SD) beat Bob Hall (P) 4-6, 6-3, 6-1; Jerry Lafave (P) beat Harrison Bodwell (SD) 6-2, 4-6, 6-3; Larry Chambers (SD) beat John Bohlman (P) 6-2, 6-3; Chet Dutton (SD) df. Harry Boles (P) 6-4, 8-6. Bill Ravenscroft (SD) df. Leon Carver (P) 6-2, 6-4; Paul Froeberg (P) df. Al Reynolds (SD) 6-3, 6-2; Charles Foote (SD) df. Jay Castleton (P) 3-6, 6-2, 6-2; Ray Popich (SD) df. Charles Horne (P) 7-5, 4-6, 9-7; Stuart Manville (P) df. Palmer Chase (SD) 6-3, 3-6, 7-5.

Women's singles: Carolyn Soper (P) df. Nita Bodwell (SD) 6-0, 6-1; Esther Lafave (P) df. Ingrid Popich (SD) 6-3, 6-2; Betty Hall (P) df. Paula Foote (SD) 6-2, 6-4.

Men's doubles: Collier and Dutton (SD) beat Hall and Lafave (P) 6-1, 6-4; Bodwell and Chambers (SD) df. Boles and Bohlman (P) 6-2, 6-2; Ravenscroft and Foote (SD) beat Horne and Carver (P) 8-6, 4-6, 6-3; Froeberg and Castleton (P) beat Reynolds and Chase (SD) 1-6, 6-3, 6-3.

Women's doubles: Lafave and Soper (P) df. Foote and Popich (SD) 6-1, 6-0.

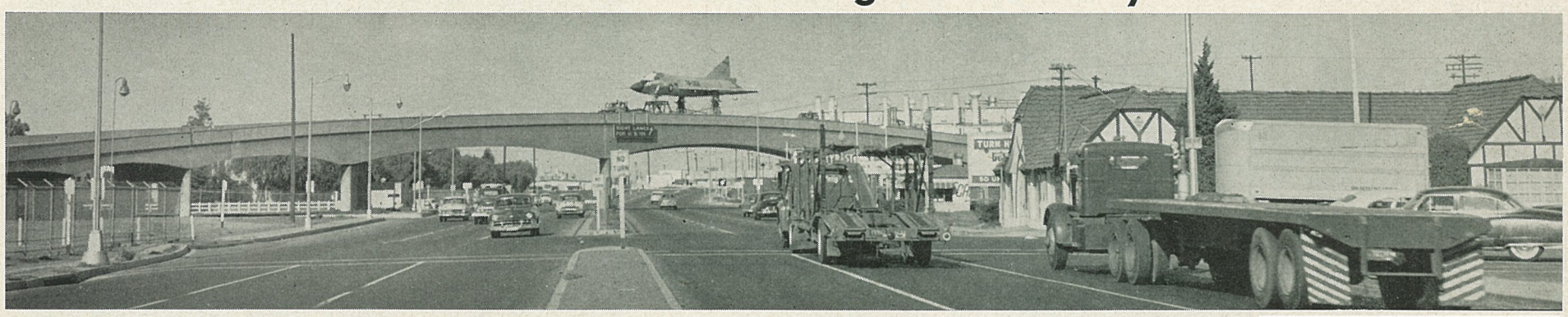
Mixed doubles: Hall and Hall (P) df. Bodwell and Bodwell (SD) 6-1, 6-0.

AT THE START—Parking lot by Bldg. 19 at SD is crowded with sports cars at start of second annual Nutz & Boltz Rallye. There were 99 entries.

THIRTY-TWO PLAY BILLIARDS TOURNEY

Larry Chambers and Fred Bereswill, both of Dept. 8, won turkeys during the recent "eight-ball" billiards tournament held by CRA at Convair San Diego. Thirty-two players entered.

F-102As and TFs Make Their First 'Flights' as They Leave SD Plant 2



OFF THE NEST — A TF-102A gets first look at outside world as it crosses Pacific Highway by truck.

NEW VISTAS—TF-102A travels down highway connecting SD plants, en route to Lindbergh Field. (Note how plant protection booth must be moved.) Convair is currently building new and improved trailer for such journeys as this. In lower right, plane has reached field operations area.

Another R3Y Now in East

Another Convair R3Y this month flew coast to coast nonstop on a ferry flight from San Diego to Patuxent, Md.

With the arrival of the latest plane, ship No. 1, the Navy now has two R3Ys being tested at the Patuxent Naval Air Test Center. A bow-loader version, ship No. 7, flew there from San Diego in September.

Piloting No. 1 on the eastbound trip was Don Germeraad with Lou Hoffman as co-pilot. Crew members included R. W. Bonney and L. R. McClain, flight test engineers, and R. M. Bloom and R. C. Schaefer, flight engineers. There were two Navy passengers: Cdrs. Ernest Horrel and Victor Upgoff, Navy evaluation officers based at Patuxent. Time for the flight was six hours, 54 minutes.

Because of weather conditions, Germeraad took a more southerly route than on previous flights, flying directly over Fort Worth.

Increasing Variety of Planes at FW Pushes GFP Inventory up to Record

When the last check mark on the GFP inventory is made sometime before the whistle blows at 3:45 p.m. at Convair Fort Worth Dec. 30, it will be the last entry in a record breaking year.

The record is evident now, because the GFP staff of FW's material department, numbering 137 persons, is now handling exactly 37,003 line items in their inventory of government-furnished parts for aircraft.

That's more than ever before in FW history, according to Supt. J. H. Kincannon Jr. In 1954, there were only 27,713. In 1953, 18,770. Before that, even fewer.

The cause of the surge?

"It's 10 different kinds of airplanes to keep flying. And to keep 'em flying takes parts," said Kincannon.

The airplanes include B-36s, of course, but also other planes now used in pre-B-58 flight testing: C-131Bs and an F-89. There are the C-54s in the air-rescue modification program. And RF-84Fs and a GRB-36 in the Ficon program.

Then there are the airplanes in still other programs: a B-47, a B-50, C-97—and even an old B-29.

Before long, there'll be some more: two more B-47s and an F-86.

Not all of them are flying from Convair. But all are assigned to Convair projects—and any part they need is the job of the GFP group.

If the part is not in the 37,003-item inventory, clerks can probably run it down in a reference file of another 92,000 parts — whether it was made by Convair, Douglas, or some other concern.

In all, the parts include almost every item which goes into any of the airplanes.

(The parts, Kincannon mentions, do not include any for airplanes or components now being built at Convair Fort Worth: B-58, TF-102 or B-52, for example.)

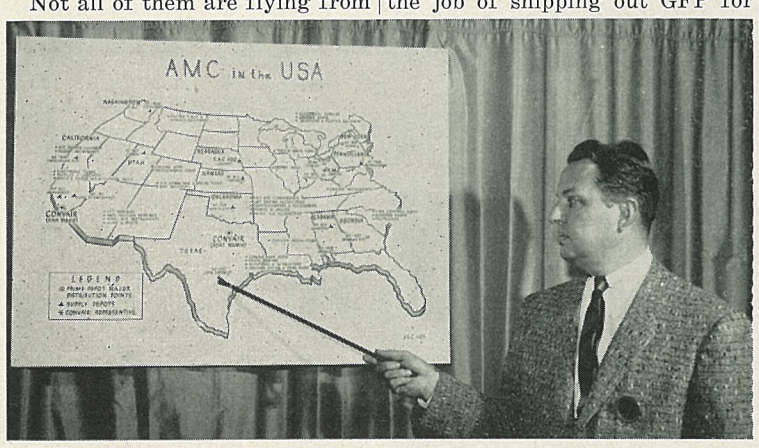
Strangely enough, the government-furnished items which go onto B-36s in the SAM-SAC line also must come from the GFP warehouse, even if Convair made them in the first place.

Most of Convair FW's GFP business—a good 60 per cent of it—is done with SAAMA (San Antonio Air Materiel Area), the prime depot for the B-36. But there's hardly an AF depot in the country that doesn't come into the act at one time or another. They range all the way from New York State down to Georgia and over to California and Washington State.

Besides obtaining GFP parts, the material department also has the job of shipping out GFP for return to AF depots. This includes such items as engines from B-36s which have been in service. Some of these go back to SAAMA for overhaul.

Business of this kind in 1954 totaled more than 10,600,000 pounds of freight.

Besides Warehouse No. 4, GFP also has four other stockrooms at Fort Worth: at the 50-foot aisle in the assembly building; at Col. 152-C and at Col. 154-C; and on the first floor of the electronics building.



SUPPLY LINES—Map shows many points from which Convair Fort Worth receives government-furnished parts. Supt. J. H. Kincannon points out one of the biggest sources, San Antonio Air Materiel Area.

Historic Pictures and Data Sought On High Points of Convair's Past

An effort to organize information, pictures and historic items connected with Convair's past got under way last week.

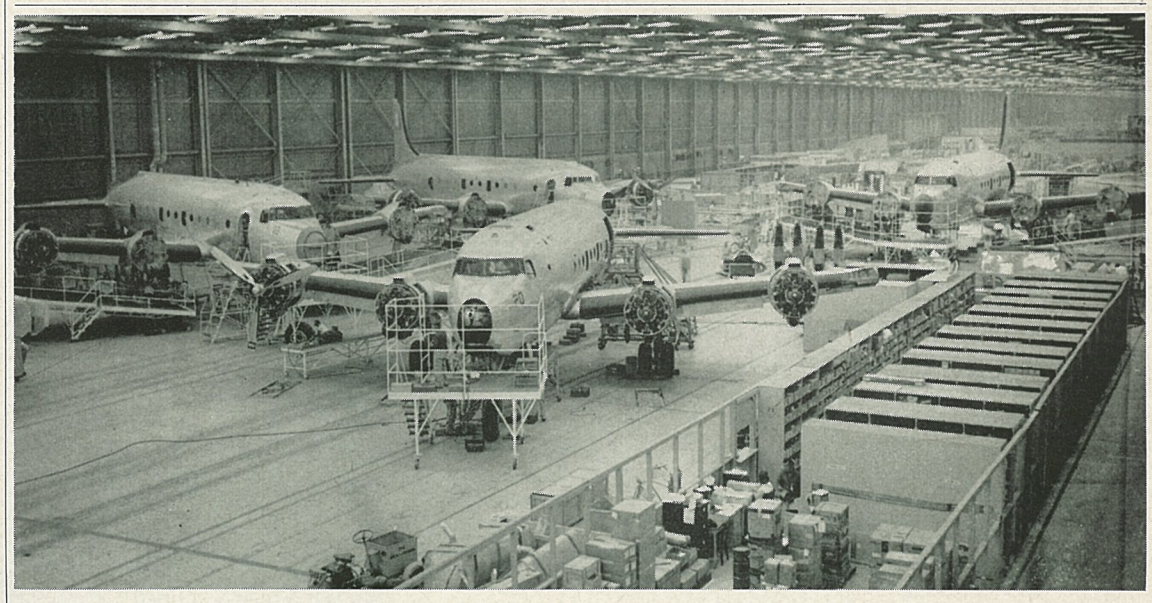
Objective is to put into form readily available for reference the facts and figures that tell the story of Convair since the formation of Consolidated Aircraft at East Greenwich, R.I. May 29, 1923. The project is being directed by General Office public relations department, with Nelson Fuller, long-time public relations representative at SD, in charge.

"Convair's archives contain a wealth of information on early years, but doubtless there are many items of historical interest that veteran Convair men and women have themselves preserved," Fuller said.

"These perhaps include photographs of early-day planes (that could be copied and made a permanent part of Convair records) or models of pioneer Convair planes (such as the model of the Commodore flying boat which I. M. Laddon, for many years a Consolidated executive, gave to the company).

"In addition, Convair veterans can be of considerable help in rounding out the history of the company by contributing their first-hand knowledge of major events in Convair's past."

Fuller may be reached on ext. 216 at San Diego, or addressed at "Public Relations, sixth floor, Bldg. 19, Convair, San Diego."



RESCUE LINE—North end of assembly building at Convair Fort Worth these days is filled by USAF C-54's getting treatment to make them into SC-54 search-rescue planes. Well supplied and orderly stock room is in foreground.

McClure Attends Quality Conference

J. Y. McClure, manager of quality control at Convair Fort Worth, attended the 10th Midwestern Quality Control Conference this month in Milwaukee.

SCHILTGES NAMED TO GIRL SCOUT GROUP

J. W. Schiltges, general accounting supervisor at Convair San Diego, has been appointed representative of District 7 on the finance committee of the San Diego Council of the Girl Scouts.

SEARCH AND RESCUE CONVERSION JOB ABOUT ONE THIRD COMPLETED AT FW

More "far away places" were added this month to the map pinpointing spots where Convair Fort Worth converted SC-54 aircraft are going into Air Force search and rescue service.

About one-third of the conversion program was complete as the month came to an end, according to E. E. Finch, modernization manager.

Planes went to Eglin AF Base in Florida, Ladd AF Base in Alaska, Ernest Harmon AF Base in Newfoundland, Elmendorf AF Base in Alaska and Lajes AF Base in the Azores.

Earlier, ships went to Prestwick AF Base in Scotland, Johnson AF Base in Japan and Keflavik in Iceland.

All have special search and rescue gear installed at Convair by modernization crews. They are operated by the Air Rescue Service of Military Air Transport Service.

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Convairiety

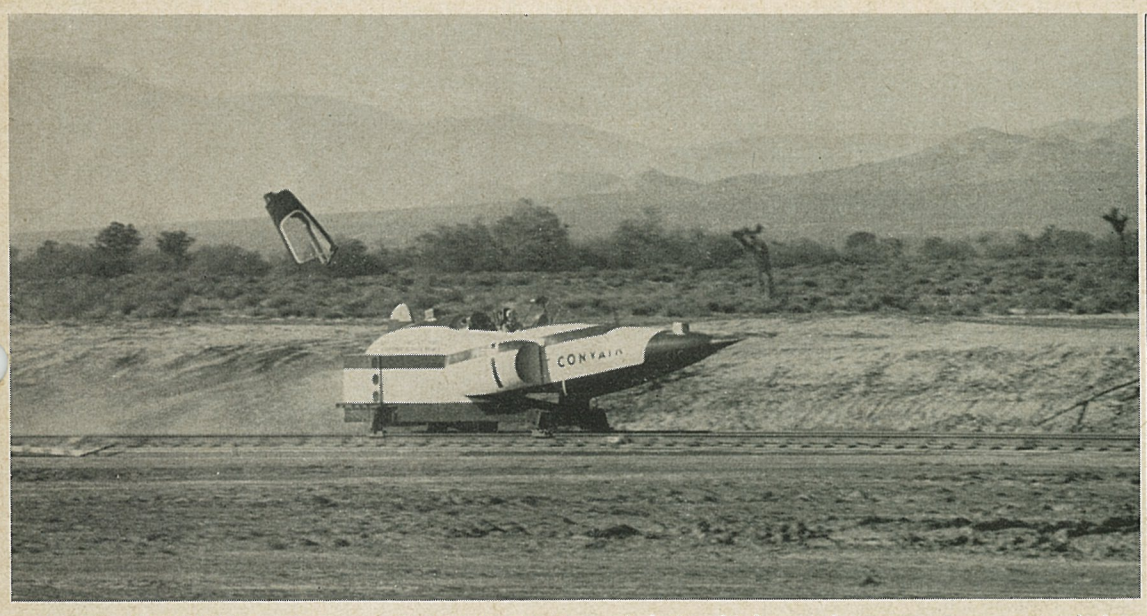
San Diego EDITION

Building 32, ext. 1071

San Diego news office:

Vol. 8, No. 25 Wednesday, December 14, 1955

SAN DIEGO AND POMONA, CALIFORNIA DAINGERFIELD AND FORT WORTH, TEXAS



SPEED OF SOUND—Canopy of F-102A is jettisoned during high-speed tests on supersonic sled at Edwards Air Force Base. This is part of extensive testing of F-102A escape system during which dummies (simulating a six-foot, 200-pound man) are catapulted clear and descend by parachute. For story and more pictures, see page 8.

New National Safety Record Claimed at SD

Convair San Diego early this week chalked up what appears to be a new unofficial national record for safety in the aircraft industry.

Monday was the 67th consecutive day without a disabling accident, representing 8,846,622 man hours of freedom from lost time injury.

This was not only a new record for Convair but apparently a new national record, too. The last published records of the National Safety Council state, as of Jan. 1, 1955, that Hughes Aircraft held the national record with 8,755,340 manhours.

Previous high safety mark for San Diego had been another 67-day stretch which ended Aug. 23 of this year. Manhours during that period, however, were not so high as the current mark due to differences in employment.

This has been a banner year in safety for Convair San Diego. Since January there have been two periods of 43 days each without disabling injury and one interval of 41 days, all in addition to the 67-day injury holidays.

SD Plants to Get Yule Music and 'Christmas Look'

Christmas decorations began to appear throughout the plant at Convair San Diego this week, heralding the approaching Yule season.

Factory areas as well as offices are being decked out in bright colors, many original in ideas and themes.

In addition, Convair is decorating the entrance to Bldg. 1, Plant 1. A huge white Christmas tree will be installed this week atop the entrance way, while the words "Season's Greetings" will be spelled out across the front of the building. A big star with many points will gleam atop the building.

High fidelity music will be piped over the plant address system during breaks and lunch periods Christmas week. All of the old Yuletide songs will be played along with some more modern numbers.

The plants will observe Christmas and New Year holidays and year-end vacation days Dec. 23 and 26 and Dec. 30 and Jan. 2, resuming work Jan. 3.

Blood Credit Upped By 189 Pints at SD

Convair San Diego's credit with the San Diego Blood Bank rose from a minus five to a plus 184 Dec. 8 when employees at Plant 2 gave 189 pints of blood.

"This should carry us until the second week in January," said Frank Pickard of employee services. "At that time we will accept volunteer donations from employees working in Building 19."

SD is Thinking of Others As Christmas Time Nears

Convair San Diego will be thinking about others during the approaching season of traditional giving, a pre-Christmas check of departments revealed this week.

In most cases, departments or groups have decided to do away with exchanging gifts and Christmas cards. Instead, they are converting these funds into help for needy families.

★ ★ ★

Toys in Storage Awaiting Xmas

Upwards of 1,500 toys with a new lease on life went into storage early this month to await Christmas week when they will be distributed to needy families with the best wishes of Convair San Diego employees.

Bicycles, dolls, games, trucks, wagons, doll houses, scooters, skates and just about everything in the way of toys to brighten the day for youngsters was included in the items stored with the Salvation Army.

The project was a combined effort of all San Diego employees. Volunteers brought in used toys, while others contributed new toys. They were collected and turned over to the Sheltered Workshop by the Convair Management Club. Six handicapped men were employed three weeks repairing the toys through funds made available by the Con-Trib-Club.

This year the Salvation Army is acting as a clearing house for all needy of San Diego County and will see that the toys reach deserving youngsters.

Appeals to Con-Trib-Club's Emergency Aid office for names of needy families have almost outnumbered the supply. However, additional names are being added to the list each week, according to Molly Dowell, Emergency Aid representative.

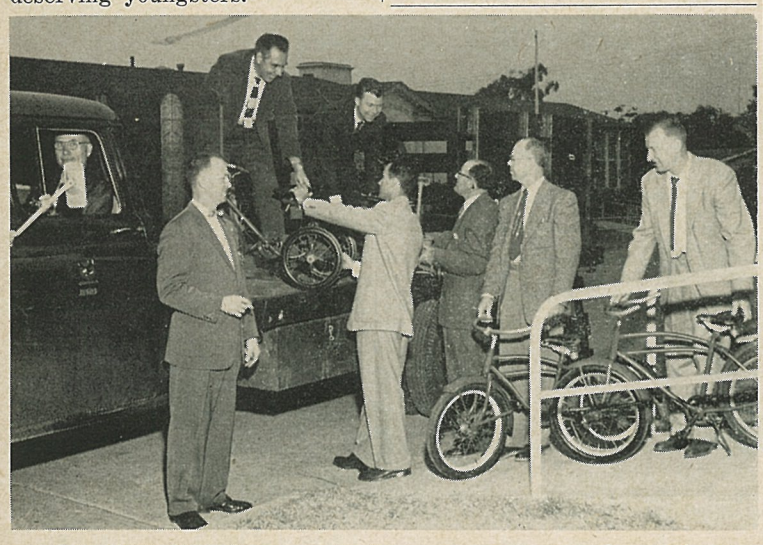
As of early this week at least 23 different groups had decided to assist needy families. Other groups are considering the move.

Methods of assisting the less fortunate vary. Most departments have investigated the needs of their "adopted" families and have posted the sizes, ages, etc. of each member. Employees will bring toys, food, clothing and other items and make up baskets which will concentrate on one family through large groups like the experimental factory (Dept. 31) which plans to supply the needs of 18 to 20 families.

Still others have more novel ideas. For instance, service publications of engineering held their annual Christmas Charity Ball last week and proceeds from the dance will be used to buy for a large family.

Dept. 4-1 (material control) plans to buy sports equipment, games and playground items for a local children's home. Dept. 9-1 (accounts payable) is investigating the needs for recreation items at Anthony Home. Dept. 9-5 (estimating) has the name of a large family which was burned out.

(Continued on Page 2)



LOADING UP—Some 1,500 toys were transported to Salvation Army at San Diego for distribution to needy at Christmas time as result of Convair San Diego Management Club and Con-Trib-Club project. Left to right: Frank Pickard of Con-Trib, P. W. Donaldson, K. S. Kelly, Russ Medlock, R. W. Watt, R. C. Dale and C. L. Pogorel of Management Club. Convair driver is O. E. Short.

Engineers Hold FW Conference

Convair's top engineers conferred in Fort Worth Dec. 6-7 with representatives of other General Dynamics Corporation divisions.

The meeting, one of a series, was attended by 22 visitors, including Admiral Lawrence B. Richardson, General Dynamics Corporation board member and senior vice president, C. W. Finnegan of Stromberg-Carlson, and E. S. Dennison of Electric Boat.

The conference was chairmanned by R. C. Sebold, Convair vice president. Hosts were Frank W. Davis, Convair Fort Worth chief engineer, and members of his staff.

Convair participants: San Diego General Offices, G. D. Christensen, J. L. Bowers, Jack Mason, R. A. Belden and C. L. Blake; San Diego division, R. L. Bayless, C. F. McCabe, H. K. Cheney, O. W. Harper, Maurice Jacobs, J. R. Spurgeon, W. T. Dorrance and K. J. Bossart; Pomona, G. M. Robertson and G. Sylvester; Daingerfield, R. J. Volluz, R. E. Tate and E. C. Kennedy.

Salvage Yard Days Change Next Week

Schedule for the employees salvage store will be altered next week at San Diego to better accommodate customers during the holiday season, R. H. Lange, salvage administrator, reported.

The yard will continue to be open for sales on Tuesdays, 2 p.m. to 4:30, as usual. However, next week and the following week it will also be open on Wednesdays (Dec. 21 and Dec. 28). Hours are 3:30 p.m. to 5:30 p.m. The Wednesday openings take the place of the usual Thursday sessions which have been cancelled for these two weeks (Dec. 22 and Dec. 29).

The customary Tuesday-Thursday schedule will be resumed in January.

McNarney Elected Chairman of AIA

Gen. Joseph T. McNarney, president of Convair, this month was elected chairman of the Board of Governors of the Aircraft Industries Association for the second half of 1956.

Chairmen serve for six-month terms. Election was at a meeting Dec. 1-3 in Phoenix, Ariz. Association membership includes all engine builders, aircraft electronics firms etc.

Coleman Receives Harmon Award For Vertical to Horizontal XFY-1 Flight

Convair San Diego's James F. (Skeets) Coleman last week received the Harmon International Aviator Trophy from the hands of Vice President Nixon in Washington, D.C.

The trophy, one of the top awards in the world for aerial accomplishment, was awarded to Coleman as the first man to fly the XFY-1 (Pogo), the Convair airplane built for the U.S. Navy which takes off vertically, shifts to horizontal flight, then returns to earth for a tail-down landing.

Coleman, an engineering test pilot at San Diego, also is a lieutenant colonel in the Marine Corps Reserve.

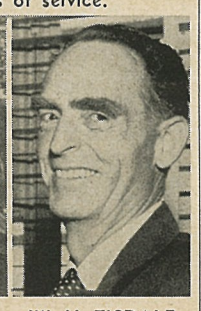
Vice President Nixon made the presentation on behalf of President Eisenhower. Also honored was Capt. Marion H. Eppes, USN, who received the "Aeronaut" trophy for lighter-than-air accomplishment. He commanded the Navy airship making a rec-

(Continued on Page 6)

TOP PILOT—Convair SD Test Pilot J. F. Coleman, center, shown inspecting medal after winning Harmon Trophy for outstanding work on vertical takeoff XFY-1 (Pogo). At left is John Jay Hopkins, president and chairman of General Dynamics Corporation, and at right is Vice President Nixon who made presentation last week in Washington, D.C.—Photo by courtesy of San Diego Union.

A. E. Brennan of Dept. 70 at San Diego is latest to join ranks of those who have 30 years of service.

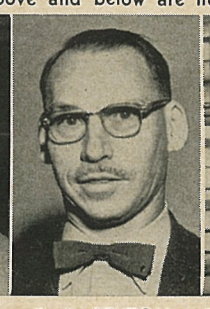
J. W. WILEY
Dept. 31



W. V. TISDALE
Dept. 603

Directly above and below are new 20-year men at San Diego.

R. L. RAVEY
Dept. 403



G. L. PEYTON
Dept. 6

T. A. ANDERSON
Dept. 522

L. H. GOULD
Dept. 31

Those pictured below have recently received 15-year emblems from Convair. All are from SD except R. J. Widmer, who is from Pomona, and J. J. Williams and C. C. Baker, both of Palmdale.

H. W. TRUITT
Dept. 141

F. C. ROMERO
Dept. 31

B. H. JORDAN
Dept. 406

R. M. MALO
Dept. 406

R. J. WIDMER
Dept. 6

H. C. TAFE
Dept. 141

K. L. GARDNER
Dept. 25

ADOLPH BURSTEIN
Dept. 6

H. J. BESHANSKY
Dept. 31

C. E. HUNTER
Dept. 70

G. A. POHLMAN
Dept. 6

D. G. WILSON
Dept. 6

A. A. PERRY
Dept. 31

R. L. LEWIS
Dept. 25

HERMAN HODGES
Dept. 31

R. H. EGBERT
Dept. 31

C. L. MEADOR
Dept. 141

E. R. WITTMAN
Dept. 403

R. S. SELLERS
Dept. 528

G. S. DURLAND, JR.
Dept. 28

J. J. WILLIAMS
Dept. 529

E. F. KOTNIK
Dept. 6

C. W. CARTER
Dept. 28

C. E. HITSON
Dept. 522

J. R. HERIOT
Dept. 300

C. C. BAKER
Dept. 529

G. E. SMITH
Dept. 22

J. E. WOOD
Dept. 401

FRANK ERAMO
Dept. 403

J. D. TATE
Dept. 528

Log Book Entries

★ ★ Service Emblems ★ ★

SAN DIEGO

Service emblems due during the period Dec. 1 through Dec. 15:

Twenty-five year: Dept. 8-2, Herbert Bowling.

Twenty-year: Dept. 6, H. I. Morgan. Dept. 14-1, F. E. Meer. Dept. 25-1, E. R. Fink. Dept. 28, K. M. MacLeod, J. A. Wilber. Dept. 406, L. G. McGiffin.

Fifteen-year: Dept. 3-1, J. J. Baxter. Dept. 6, R. B. Allen, Joe Berardini, B. J. Campbell, C. W. McKerlie, H. W. Millard, W. T. Myers Jr., W. A. Norstrom, L. E. Ottem. Dept. 8-1, Arthur Wrightson Jr. Dept. 9-1, J. A. Gorman. Dept. 14-1, R. E. Townsend.

Dept. 25-1, D. N. Arellano, A. A. Burkhart, C. G. Rapp. Dept. 28-1, L. G. Lawson. Dept. 30, L. J. Baldwin. Dept. 31, W. H. Glenn, W. B. Gregovich, B. C. Mandeville, L. P. Petersen, P. A. Warren.

Dept. 55, H. A. Blomke. Dept. 72, W. C. Griffin. Dept. 102, R. C. Beezley. Dept. 115, F. I. Garrison, Ladislao Maciel. Dept. 203, R. A. Davis. Dept. 258, D. R. Nye. Dept. 303-4, W. L. McBride.

Dept. 335, W. A. Reusch. Dept. 350, L. D. Rush. Dept. 375, W. B. Barth. Dept. 403, C. E. Heller. Dept. 406, R. W. Rollins. Dept. 522, H. L. Dixon. Dept. 523, P. G. Osborn. Dept. 528, G. D. Kline Jr.

Ten-year: Dept. 3-8, H. W. Carrell. Dept. 6, W. H. Hill, W. C. King, R. A. Taylor, C. D. Wirt. Dept. 10-1, Ethel C. Tinkham. Dept. 25-2, D. H. Miller. Dept. 30, H. D. Cottrell. Dept. 31, C. M. Barnard.

Dept. 44, J. D. Watson. Dept. 55, Celestino Villalpando, Dept. 60, A. T. Higginbotham. Dept. 70, H. R. Crouthamel. Dept. 300, A. L. Brown, C. A. Hicks Jr. Dept. 303-5, B. M. Gipson. Dept. 406, J. A. Montgomery, R. H. Struck. Dept. 528-8, R. W. Allen, Dept. 603-1, A. S. Romero.

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POMONA

Ten-year: Dept. 3-1, A. T. Smith.

Five-year: Dept. 6-0, A. E. Blecker, J. N. Dockman, G. C. Mitchell, R. C. Prewitt, L. C. Stokes, R. C. Wildman. Dept. 27-1, D. E. Rainsberry. Dept. 42-0, L. R. Brownyer, J. Q. Skilling. Dept. 72-0, F. M. Holland. Dept. 73-0, E. S. Fowlkes.

Awards

SAN DIEGO

Employee Suggestion awards totaled $2,018.75 for the weeks ending Nov. 17 and Nov. 23:

Dept. 4, Material: J. M. Whitten, $20. Dept. 6, Engineering: L. F. Minkler, $5

Dept. 10, Industrial Accounting: W. A. Baumgartner, $10.

Dept. 11, Contracts: D. D. Ellison, $10; D. E. Gragg, $10.

Dept. 22, Manufacturing Control: K. W. Backus, $5; J. R. McMinn Jr., $5; R. G. Ward and J. Kraemer (joint award), $12.50 each.

Dept. 25, Plant Engineering: L. A. Cook, $60.50; M. W. Gross, $15; D. A. Perry, $51; J. E. Squyres, $10; W. T. Toon, $20; C. A. Wallace, $22.50.

Dept. 27, Quality Control: G. R. Carrillo, $107.50 (partial payment).

Dept. 28, Inspection: H. G. Elder, $15; L. B. Stockton and F. Delgado (Dept. 37), joint award, $10 each; R. E. Torrence, $10.

Dept. 30, Model 8 Final Assembly: C. F. Brown, $20; D. G. Dominguez, $20.75; E. M. Gatlin, $33.50; L. A. Greenwald, $20; L. R. Imbimbo, $100 (partial payment); L. P. Orr, $25; A. W. Papstein and J. W. Fish (joint award), $7.50 each; P. L. Sobeck, $31.50; J. L. Winger, $20

Dept. 31, Experimental: H. A. Crane, $10; J. G. Moe, $10; O. H. Vinyard, $20.

Dept. 37, C-131B Final Assembly: J. H. de Kerguelen, $10; J. E. Slean, $10.

Dept. 55, 340 Fuselage: V. N. Campise, $5; W. A. Clark, $5; N. Jones Jr., $10; W. H. Marsh, $10.

Dept. 56, 340 Primary: R. E. Gschwind, $20; G. W. Smith, $10.

Dept. 60, Model 8 Wing & Tail: E. A. Buchmiller, $10; C. M. Canoy, $46; I. P. Mouet (two awards), $20.

Dept. 70, Model 8 Fuselage: A. Benavides, $80; C. E. Couch and A. A. Lock (joint award), $17 each; E. V. Dean, $24; P. W. Garrison, $15; R. Hay and F. C. Lawrence (joint award), $5 each; B. E. Hill, $20; M. E. Melde, $5 O. W. Potter (two awards), $20; D. F. Rogers, $10; R. Welk, $16.

Dept. 72, Model 8 Fuselage Primary: S. B. Greco Sr., $20; L. D. Hesterberg, $10; A. D. Redman, $15; R. Strange, $10.

Dept. 101, Sheet Metal: R. F. French, $10; H. May, $24.

Dept. 102, Sub-Assembly & Processing: N. J. Cardwell, $15; R. L. Carlton, $10; J. R. McDonald Jr., $5.

Dept. 201, Sheet Metal: E. C. Felix, $20; V. G. Harding, $10; F. E. Lugar, $10; C. W. Marr (two awards), $20.

Dept. 203, Welding: J. R. Lindblom, $15; T. G. Martin, $40; C. R. Reina, $10.

Dept. 205, Metal Forming: C. D. Lane, $10; C. D. Lane and J. P. James (Dept. 522), joint award, $10 each.

Dept. 215, Machine Shop: F. L. Harpst, $15; G. L. Roberts, $10.

Dept. 250, Electric Bench: A. T. Mills (two awards), $40.

Dept. 252, Electric Bench & Tubing: M. Doche, $10; S. A. Tutterow, $63.25; I. F. Young, $105.

Dept. 255, Tubing & Cable: K. M. Harvey, $5.

Dept. 258, Proofing Mock-Up: C. E. Giveans Jr., $33.

Dept. 300, Field Operations: J. E. Nicholson, $10; R. A. Sieberts, $20.

Dept. 403, Tool & Die Shop: L. Johnson, $33.75.

Dept. 406, Plaster Pattern Shop: R. D. Clubb, $10.

Dept. 522, Manufacturing Control: H. H. Brisendine, $10; J. P. James (two awards), $30; M. B. Shoemaker. $10.

Dept. 524, Tooling: J. I. Manning, $87.50; M. L. Marks Jr., $10.

Dept. 528, Inspection: W. C. Bowen, $10; C. T. Foster (two awards), $20; D. V. Fox, $15; H. R. L. Goss, $10.

Dept. 558, Model 7 Tank & Propulsion: C. J. Eskew, $10.

Dept. 603, Tool Manufacturing: D. E. Bergstrom, $20; F. F. Hopphaus, $5; L. Lanner, $5; R. C. Vomes, $10.

POMONA

Employee Suggestions at Convair Pomona totaled $381.50 for the period ending Dec. 1. They were:

Dept. 6: B. E. Yehnert, $45.
Dept. 13: G. W. Megeath, $43.
Dept. 25: J. B. Gosma, $16.50.
Dept. 27: C. J. Clever, $20.
Dept. 51: W. F. Mach, $10; D. E. Shepard, $35.
Dept. 51: C. H. Brown, $10; G. Kosky and L. Leach, $10; M. E. McClure, $10.
Dept. 72: P. K. Nicholson, $15; F. Thompson, $157; Dorothy D. Wood, $10.

Cost Improvement Proposals for the same period were:

Dept. 22: S. Herman.
Dept. 27: R. E. Bruce (two proposals).

Deaths

SAN DIEGO

HILL — Bernard P., Dept. 70. Died Dec. 3. Survived by his wife, Mrs. Dorothy Hill; two sons, four daughters, brother, four sisters, 13 grandchildren.

MARTIN — John B., Dept. 6. Died Nov. 29. Survived by wife, Mrs. Laura Martin; mother, brother, two sisters.

PERRY — James O., Dept. 60. Died Dec. 5. Survived by wife, Mrs. Evalyn Perry.

SNYDER—William S., Dept. 28. Died Nov. 24.

Teams Fly to AF Bases For Special B-36 Work

Three hundred Convair Fort Worth employees headed for Strategic Air Command bases this month in one of the biggest personnel moves of this kind on record.

According to E. E. Finch, modernization manager, crews from modernization departments (including Depts. 47 and 48) and inspection were assigned to duty at B-36 bases throughout the country. Their job is installation of fire protection equipment—fire curtains, fire sealing and other special equipment—in B-36s.

Scheduled completion date is July 1.

"Because the program has been stepped-up, it would have been impossible for all the planes needing the new equipment and repairs to get through SAM-SAC work," said Finch. "So we sent the men to the planes."

Crews left Convair early this month by auto and by chartered plane. They went to Ellsworth, Fairchild, Travis and Carswell Air Force Bases. Later, crews will be sent to Walker and Limestone AF Base.

Seventy-five went to each out-of-state base, with about 50 working at Carswell.

With modernization crews are foremen, service engineers and inspection personnel.

SD is Thinking of Others As Christmas Time Nears

(Continued from Page 1)

They plan to supply their Christmas needs and maybe replace a few household articles.

"Convair's finest"—the guard force—are among the groups responding. Each of three guard shifts will adopt a family. Donations are 100 per cent.

Many departments plan to help people within their own department, while others are going outside their departments and even Convair for the names of needy. The Salvation Army is the favorite source, second to Con-Trib-Club.

In addition to these mentioned above, the following had plans for adopting families at press-time: Dept. 6 (propulsion and air conditioning design); Dept. 8 (industrial engineering); Dept. 9-6 (central duplicating); Dept. 10-0 (cost accounting); Dept. 15 (parts sales, both SD shifts); Dept. 22-1 (manufacturing control); Dept. 22-2 and 8 (manufacturing control); Dept. 24 (tooling); Dept. 27 (quality control); Dept. 60 (F-102 wing and tail); Dept. 70 (F-102 fuselage); Depts. 101 and 110 (sheet metal and special projects); Dept. 102 (sub-assembly and processing); Dept. 252 (electric bench and fabric); Dept. 350 (proofing mock-up); Dept. 524 (tooling, Plant 2), and Dept. 528 (inspection, Plant 2); Dept. 522-3 (manufacturing control, second shift); Dept. 522-7 (manufacturing control).

Births

SAN DIEGO

BURSON—Son, David Scott, 8 lbs., born Nov. 26 to Mr. and Mrs. Donald Burson of Dept. 22-1.

FANNIN — Daughter, Janet Coleen Kimberly, 6 lbs. 8¾ oz., born Dec. 1 to Mr. and Mrs. Joe C. Fannin, Dept. 6.

FOSTER—Daughter, Judeth Rebeckah, 6 lbs. 4 oz., born Nov. 23 to Mr. and Mrs. C. T. Foster, Dept. 528-3.

GANN—Son, Willis Eugene, 8 lbs. 4 oz., born Nov. 26 to Mr. and Mrs. Willis Gann, Jr., Dept. 46.

RIVAS—Daughter, Barbara Ann, 9 lbs., born Dec. 4 to Mr. and Mrs. Stephen Rivas, Dept. 350.

ROGERS—Son, Brian James, 8 lbs. 4 oz., born Dec. 5 to Mr. and Mrs. Frank E. Rogers, Dept. 522.

SULLIVAN—Daughter, Vallery Joy, 7 lbs. 1 oz., born Nov. 19 to Mr. and Mrs. J. J. Sullivan, Dept. 300.

POMONA

HOLKESVIG—Son, Walker Corydon, 8 lbs. 2 oz., born Nov. 21 and Mr. and Mrs. C. A. Holkesvig, Dept. 27.

OBERG—Daughter, Martha Elizabeth, 6 lbs. 1 oz., born Nov. 17 to Mr. and Mrs. Arne Oberg, Dept. 6.

SALISBURY—Son, A. R. Salisbury, 8 lbs. 8 oz., born Oct. 27 to Mr. and Mrs. Charles Salisbury, Dept. 63.

TRUEMAN — Son, Gregg Randell, 8 lbs. 1 oz., born Nov. 9 to Mr. and Mrs. Richard E. Truman, Dept. 6.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective Nov. 28:

Dept. 6, Engineering: To project engineer, L. E. Ottem. To foreman, G. E. Channels.

Dept. 303-5, Model 8 Flight Test Operations: To general foreman, L. H. Green. To foreman, L. M. Barnes, T. J. Bevers Jr.

Dept. 313-4, Model 8 Flight Test—Holloman: To foreman, E. H. Vossen.

Dept. 440-3, Model 7 Material: To buying supervisor, C. W. Hathaway.

Dept. 529, Model 8 Flight Center—Palmdale: To general foreman, M. R. Ubben, J. J. Williams. To foreman, W. M. Hassard, A. R. Hinchee, R. W. Lucas.

POMONA

Dept. 6, Engineering: To service group engineer, M. D. Phillips. To design group engineer, C. M. Wolfe. To project engineer, J. P. Rimer.

Dept. 31, Experimental: To T&O planning asst. supervisor, D. W. Stearns.

Dept. 72, Test Equipment Maintenance: To asst. foreman, F. M. Holland.

Personals

SAN DIEGO

Please extend my heartfelt appreciation to all who were so kind in sending messages of condolence and flowers for my beloved husband, Frank W. Delaney. I want to especially mention the beautiful floral tributes from Depts. 603, 407, 524, Convair employees and the Convair Management Club.

Mrs. F. W. Delany

* * *

Our sincere thanks to all the generous people of Convair, particularly those of Dept. 44, and the Con-Trib-Club, for their assistance when we lost our home and all of our belongings by fire on Thanksgiving Day.

Jose J. Salas (Dept. 44) and family

Fitzsimons Named To Succeed Lynt on Con-Trib Committee

W. E. Fitzsimons of Dept. 6 became a member of the Convair SD Employees Con-Trib-Club Committee last week and officers were elected.

Fitzsimons succeeds W. W. Lynt as a representative of the Engineers and Architects Association. Lynt, vice-chairman of the committee and a charter member, resigned following a job change which made him ineligible to represent the EAA.

W. E. Fitzsimons

W. A. Ebel, also an EAA representative, was named the new vice-chairman. Reelected were Treasurer Gladys P. Story and Secretary Frank Pickard. Mrs. Story represents Lodge 1125, International Association of Machinists, while Pickard represents Convair.

Other members of the committee are: E. E. Larsen of the International Brotherhood of Electrical Workers; William R. Bever of Lodge 1125, IAM; A. D. Parsons and E. H. Damarus representing Convair SD Management Club; and F. E. Grossher, representing Convair. James K. Field is permanent chairman of the group and a Convair representative.

SD Pilot Assigned Temporary FW Duty

U. S. Johnson, a flight captain at Convair SD, has been on temporary duty in flight at Convair FW for the past month.

Johnson provided help during a particularly busy period for B. A. Erickson, FW manager of flight, and the seven other pilots of his department. In SD, Johnson has been flying T-29s and other ships.

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: Bryan Weickersheimmer, news editor; Grayce Fath.

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Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Elizabeth McCuistion.

First Metropolitan 440 Will Start Flight Test Program Soon at SD

Factory completion of Convair's first Model 440 commercial transport is now scheduled for Friday (Dec. 16).

The initial airplane of a series now being built at Convair San Diego is rolling through final assembly stages in Bldg. 2 at Plant 1 approximately two weeks ahead of the original schedule.

The new Metropolitan transport is scheduled for immediate work in field operations cycles with the initial shakedown flight tentatively set for shortly before the Christmas holidays or immediately following.

Following the shakedown flight, the first Model 440 will start ten days of flight testing for CAA certification of certain items on the airplane. Delivery of this ship to Swiflite Aircraft Corp., aircraft unit of Cities Service Oil Co., will be in late January of 1956.

Meanwhile, the second Metropolitan is scheduled for factory completion about mid-January.

All twin-engine transports produced at Convair SD are converging on the final assembly line in Bldg. 2 under the direction of Supt. J. F. Glenn.

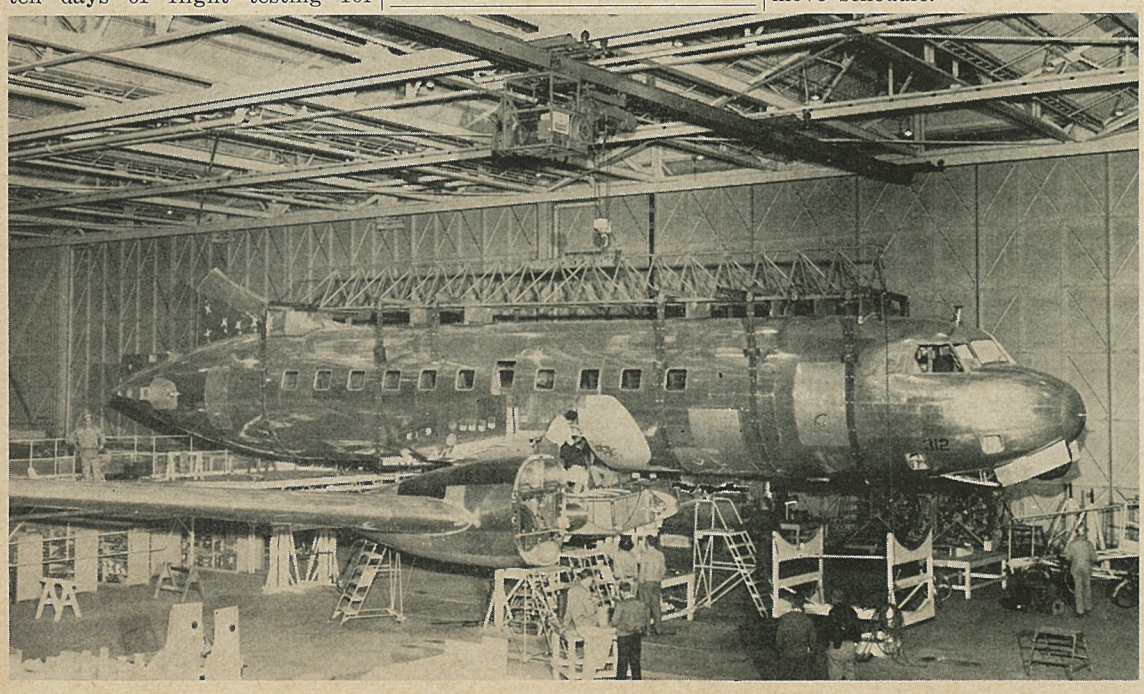
Included in the line are Model 440s (of which Convair has orders so far for 58); R4Y transports for the Navy; and later there will be Air Force cargo planes which have some of the features of the R4Y (large cargo door, reinforced floors etc.).

During early 1956 the line will be on a "four day move" schedule, with the pace stepping up later to a two and a half day move schedule.

Lankford Reelected Fire Head 7th Time

Mason Lankford, Convair Fort Worth process control employee, was elected president of the Tarrant County Volunteer Fire Fighters Association this month.

It is the seventh consecutive year Lankford has held the title. C. W. Flowers, a Convair fireman, was elected treasurer.



MATING—First Model 440 Metropolitan was mated at San Diego late last month, substantially ahead of original schedule. It is being pushed ahead to allow for a special flight test program. Scene is in SD's Bldg. 2 as fuselage and wing are joined.

WELCOMED—Dr. Edward C. Creutz, left, noted nuclear physicist, is welcomed to General Dynamics Corporation by John Jay Hopkins, chairman and president, following appointment as director of research for General Atomic Division. At right is Dr. Frederic de Hoffmann, Dynamics vice president and general manager of division. Photo was taken in Los Angeles during recent conference.

Noted Nuclear Physicist Named to New Division

Dr. Edward C. Creutz, noted nuclear physicist, has been appointed director of research of the General Atomic Division of General Dynamics Corporation.

Creation of the division was announced last summer by John Jay Hopkins, chairman and president of General Dynamics, with Dr. Frederic de Hoffmann as general manager. Dr. de Hoffmann also is a vice president of General Dynamics.

Both De Hoffmann and Creutz were in San Diego recently to inspect possible laboratory sites. The division has a $10 million appropriation for initial research facilities to be devoted primarily to basic nuclear and materials exploration, as well as development of more efficient and economical reactor systems.

San Diego has been mentioned prominently among possible locations for the laboratory.

Creutz, professor and head of the Department of Physics and director of the Nuclear Research Center at Carnegie Institute of Technology in Pittsburgh since 1949, currently is on a special assignment with the Atomic Energy Commission. His appointment to the General Atomic Division reemphasizes General Dynamics' intentions and aims for the new laboratory, De Hoffmann said.

"It is our hope that this laboratory will contribute toward increasing understanding and good relationships between industrial and university research workers," he commented.

Creutz is a graduate of the University of Wisconsin and received his Ph.D. in physics in 1939. He taught at Wisconsin and Princeton until 1942 when he headed the first group to undertake metallurgical studies of uranium, nerillium and aluminum for the Manhattan Project. This work led to the successful development of the fuel elements for the first nuclear reactors at Oak Ridge and Hanford. He was a group leader at Los Alamos between 1944 and 1946.

New Machines Installed For Testing Strength of FW 'Sandwich' Panels

A battery of machines is being installed in the new bonded structures laboratory at Convair Fort Worth to test the strength of "sandwich" panels under production for future aircraft.

The panels are made of Fiberglas honeycomb which has been "sandwiched" in between sheets of metal and "glued" together by a powerful adhesive. Thus combined, the parts take on a strength many times greater than if tested separately.

It is one of the tasks of the laboratory to determine that the production panels are consistently up to strength and the new machines are the tools involved.

"With the older methods of airplane construction, involving skins, stiffeners and so on, joined by rivets, inspection was far simpler," B. E. Justice, senior chemist in process control at FW, explained.

"But when panels are bonded the 'evidence' is inside—where you can't see it. Our testing is necessary to assure that all steps, from start to finish, have been accomplished properly."

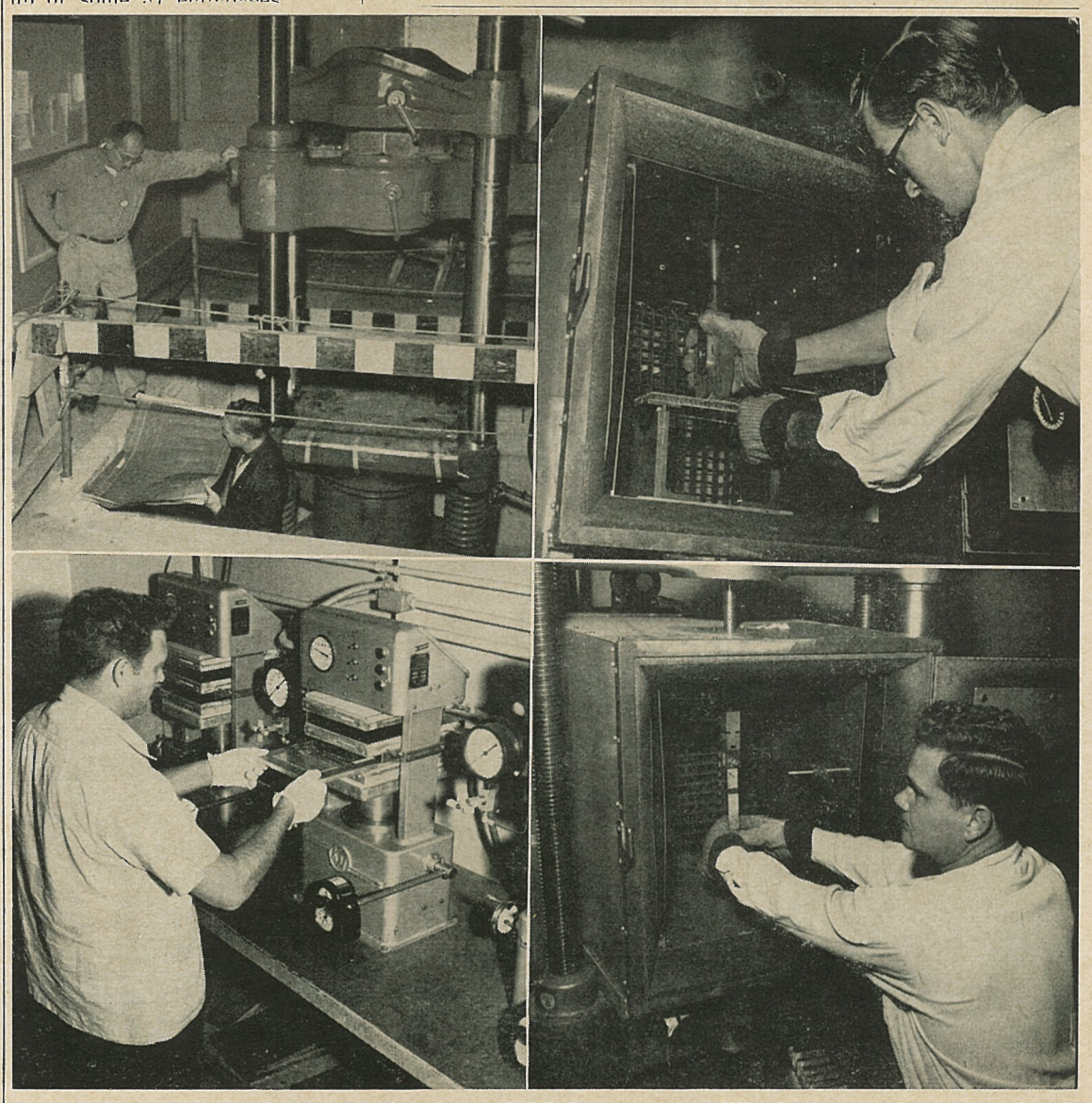
The new machines, costing about $100,000, will give panels a workout such as they would never get in flight. Newest and most powerful is being set up at Col. 43-C in the assembly building. With hydraulic power it will test bonded pieces up to its capacity of 400,000 pounds.

Every fifth panel is placed under jaws of the machine, which then clamps down to determine how much the panel will "take." The exact point at which it goes to pieces is measured and recorded. It must pass the test, for there is no "almost good enough."

Each of the panel's components is tested in one way or another.

A new 60,000-pound lap shear test machine proves out that portion where metal is joined to metal. Another machine of 60,000-pound capacity makes beam tests which enable engineers to figure the overall strength.

Testing bonded panels is a good portion of the work performed by the laboratory, which is headed by Dr. W. S. Hay and is made up of some 37 employees.



HUSKIES—Top left shows Jim Chandler and Bill Owens of Fort Worth plant engineering with new machine capable of directing 400,000 pounds into testing "sandwich" panels. Top right: K. W. Biggs sets up a "beam test." Lower left: E. A. Smith prepares test of adhesive strength. Lower right: H. E. Brown performs "lap shear" test.

Model 340 Service For Soviet Russia Foreseen

Convair-Liner Model 340s will be flying to Russia soon, if negotiations between Aero O/Y of Finland and Aeroflot of the Soviet Union are successful.

American Aviation Daily this month reported that an air transport agreement between the two countries provides the legal basis for the service and that the two lines are attempting to work out schedules, accounting procedures etc. with service to start in the spring.

When formalized, the service will be the first by an airline of a non-Communist nation into the Soviet Union since before World War II. It also will represent the first time that modern U.S. pressurized equipment has been on scheduled flights to the Soviet Union, as well as the first nonstop operation between Helsinki and Moscow. Present Aeroflot service is routed via Leningrad.

The Aero O/Y Model 340s are expected to make the Helsinki-Moscow flight in three hours.

"Why can't we spend more than we make? The government's been doing it for 20 years."

THIN—Ray Lawyer's guitar, which he built himself, is only inch and a quarter thick. FW Dept. 92 man made it from piece of solid maple.

Electric Guitar 'Tailor Made' by Musician at FW

A new "do-it-yourself" guitar was making sweet music for the ears of Convair Fort Worth's Ray Lawyer this week.

Literally—and also because the Dept. 92 employee built the new electric take-off guitar himself and saved about $200 in the process.

"Not counting labor, it cost about $35," he explained. "And this one's tailor-made for my own hands."

Lawyer fashioned the guitar from a piece of maple 43 inches long, 14 inches wide and two inches thick. The finished product was painted black and white and covered with plexiglas.

It incorporates many special features. The 21 frets used in playing a guitar are extended on the long neck within easy reach of his nimble fingers. The contours are shaped just right for Lawyer. This makes it easier to hold and easier to play.

He also made the electronic pick-ups on the bridge. He used other conventional parts such as standard guitar strings.

The guitar doesn't look conventional to the layman. It's only an inch and a quarter thick. (Most guitars are about four inches thick.) And the shape is unlike that of a standard non-electric instrument.

The electric guitar also has one other feature over the standard guitar, according to Lawyer, who's been playing them for about 30 years.

"It's not as hard on the neighbors!" he explained. "With an electric guitar, you can play as quietly as a kitten walking on a Persian rug."

TOURISTS—Joanne Bovee, left, daughter of Convair Treasurer G. T. Bovee, and Barbara Blake of Bldg. 19 cashier's office at San Diego, retrace travels on map. Girls made 4,500-mile auto trip through Europe.

Flat Tire Only Mishap as SD Girls See Foreign Lands by Rented Car

A 30-day tour of Europe, at the peak of the tourist season and without any advance reservations, sounds like a tough assignment to a seasoned traveler—but it was just a breeze to two Convair San Diego girls.

Barbara Blake of General Offices cashier's office and Joanne Bovee, daughter of Convair Treasurer G. T. Bovee, made the tour late last summer. They met in Paris by pre-arrangement and against the advice of travel agents, rented a French car for their tour.

"Travel agents said we were crazy to start out alone," Barbara recalled. "But we covered over 4,500 miles and our worse mishap was a flat tire in front of our hotel in Rome."

Their trip took them through France, Italy, Austria, Germany and Switzerland. They separated only once, when Barbara visited a brother stationed with the Air Force in French Morocco, while Joanne toured England.

Lack of hotel reservations proved no handicap. They stopped in out-of-the-way places and found adequate accommodations with ease. Language also was no barrier that couldn't be surmounted with their college acquaintance with Italian and French.

Costs proved a welcome surprise. Planning on $20 a day each, they found they could get by on half that by finding lodgings off the beaten path. Car rental for the period was only $140! Although gasoline was high, their little car made it go a long way—50 miles to the gallon.

Northern Italy seemed to impress the girls most.

"The country was beautiful, the food excellent and the people most hospitable," Joanne commented.

As to advising other travelers on whether to rent a car or go by conducted tour, the girls had this to say:

"It depends upon how much time is available. If it's short—like two weeks—then the conducted tour is necessary in order to cover much territory. But if you have the time, drive . . . The biggest expense is in getting to Europe, and so the longer you can stay the lower the relative cost . . ."

Electric Cars

Though Trolleys Out of Style, They Live on in Midget Form

Street car lines may be falling victims to modernization in many cities, but they will not pass unremembered.

At least not to Convair Pomona's Burt Brin (Dept. 27) and several hundred other "juicefans" (electric railroad fans) throughout the country. Brin is a member of the Electric Railroaders Association, one of several clubs formed to collect and preserve historical lore and data, and otherwise perpetuate interest in street railways.

"As the first rapid means of public transportation, electric street railways played an important part in the development of urban areas in America," Brin said. "Just as the steam powered railroads helped with the development of the country as a whole.

"So several years ago, when movements began to modernize or replace the street cars, our association was organized in New York to help preserve their heritage," he added. "Through the years membership spread, and we now have divisions throughout the country."

The Southern California Division of the ERA, to which Brin belongs, owns three street cars, and individual members own four others. Six of the seven are kept at Travel Town in Griffith Park in Los Angeles. The seventh is kept by its owner in his back yard.

The club also sponsors excursions. These may be over abandoned or little-used tracks, using antique cars and equipment; or they may be trips to old landmarks or through scenic country; or they are sometimes taken over routes about to be discontinued. And the club also has a historical library.

"Most members become collectors, and they accumulate everything from street cars to timetables," Brin continued. "Many of them go in for model building.

"My own collection is small, but I do have a roller sign from an experimental - type street car—only two of them were built—and some fairly rare timetables. And I build some models."

Brin's interest in railroading is not confined to the electric lines. He is also a "steamfan" (this is railroaders' slang to indicate interest in steam and diesel lines).

"I've been interested in all types of railroads ever since I can remember," he said. "And I guess it comes naturally, since my father has been a railroad man—he works for the Soo Line—for 35 years."

"JUICEFANS" — That's what they call hobbyists who deal in electric railway models, such as Pomona's Burt Brin, shown with interurban car he built to scale. It has real motor, receives power from overhead line.

Convair Hopes For Injury-Free Holiday

A Convair Fort Worth family suffered the tragedy of a traffic death during the Christmas holiday season in 1953.

Another did so in 1954.

"We're hoping there's not a third this year," commented Fred Temple, safety engineering supervisor.

"An accident is a hard blow at any time. But during the holiday season it always seems worse.

"Each of us can help to make this one a safer Christmas and New Year by observing the rules of good driving and using common sense."

Naish Appointed to CARE Xmas Crusade

J. V. Naish, Convair executive vice president, has been named to the executive committee of the San Diego County CARE Christmas Food Crusade. The crusade began Dec. 4 and continues throughout the month.

"It is a privilege to serve," he said. "Helping the less fortunate is the expression of the true spirit of Christmas."

During this period, each $1 contributed will send a package containing 22 pounds of butter, powdered milk and cheese to a hungry family in Europe or Asia. The food is supplied by the government from surplus. The dollar pays for packaging and delivery. Donations may be mailed to CARE headquarters, 1190 Kettner, San Diego.

SD Electronics Lab Plans Xmas Dance

Several hundred employees of Convair San Diego's Engineering Electronics Laboratory are expected to gather at Mission Valley Country Club Dec. 23 for their fourth annual Christmas dinner-dance.

Festivities start at 8 p.m. with dinner, while dancing follows at 9:30. Dick Driskell and Sybil Cadman are heading the planners for the affair.

Reservations may be made by calling ext. 1204, SD Plant 1.

Convair GI, Now in Germany, Relays His Gift to FW Con-Trib

Nov. 17, 1955
Munich, Germany

Mr. August C. Esenwein
Manager
Convair
Fort Worth

Dear Mr. Esenwein,

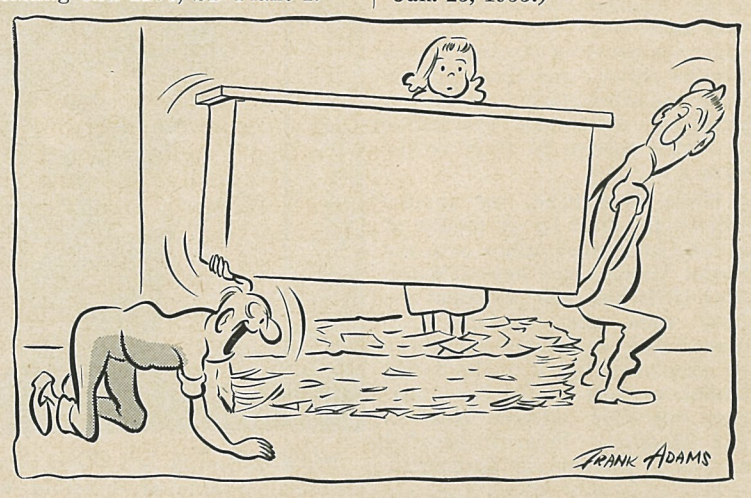
Please give this to Con-Trib-Club for me.

I am a former Dept. 73 employee. I only wish I could do more.

Sincerely,
Melvin A. Martin

PFC Melvin A. Martin,
RA-54120286
Medical Attachment
2nd Field Hospital
APO-108, N.Y., N.Y.

(Enclosed was a money order for $1. Martin went to work in FW Dept. 73 on May 1, 1951 as an aircraft assembler. He left Jan. 23, 1953.)



"Just as I suspected . . . Nobody ever reads all those forms we fill out."

Convair FW Praised For Contribution to Community Service

Convair Fort Worth Management Club members and Convair employees were commended by one of Fort Worth's civic leaders at the Nov. 30 meeting of the club.

The speaker was John B. Honts, prominent Fort Worth attorney and active civic worker himself. The occasion was the club's Nov. 30 annual civic night observed in the Crystal Ballroom of Hotel Texas. About 350 members attended.

Honts cited "Operation: Fix-a-Toy" (to provide Christmas toys for needy children) and "Operation: Swish" (for improvements at the Boy Scout camp) as examples of the programs which Convair employees carry out for the betterment of the community.

W. H. Knight, chairman of the club's personal development committee, announced the winner of the club's Management Improvement trophy for 1955: Temco Aircraft Corp.

The award, a rotating annual recognition for the company judged to have done the most during the year toward improvement of management, was received by A. L. Franzolino on behalf of Temco.

COHU NEW TRUSTEE OF WHITTIER COLLEGE

LaMotte T. Cohu, former president of Convair and a member of the present Board of Directors of General Dynamics Corporation, has accepted appointment to the Board of Trustees of Whittier College, Whittier, Calif.

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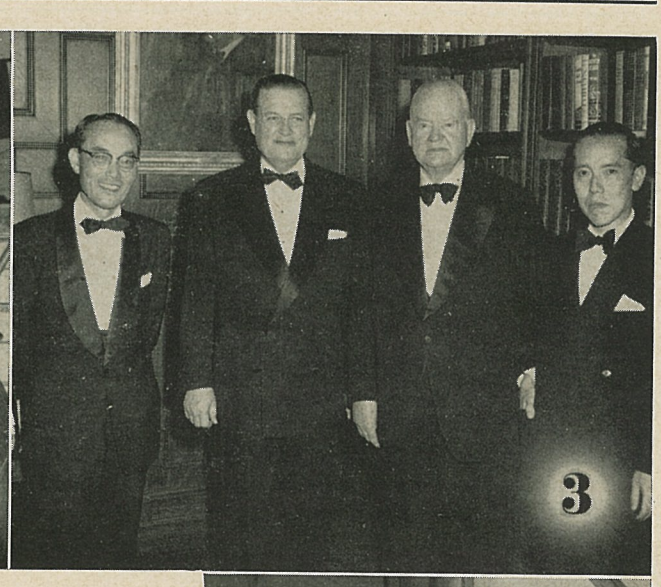
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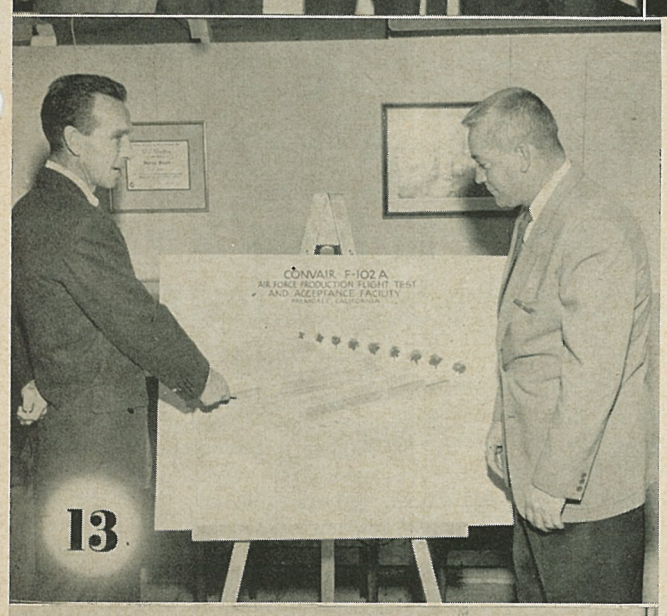

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(1) Heads of three General Dynamics Corporation divisions were photographed recently at Convair Fort Worth during conference with John Jay Hopkins, General Dynamics chairman and president. Left to right: Gen. Joseph T. McNarney of Convair; Hopkins; Robert C. Tait of Stromberg-Carlson; J. Geoffrey Notman of Canadair.

(2) This T-29 aircraft is shown at Mather AFB after recording base's 100,000th hour of no-accident flight, placing Mather ahead of all Flying Training Air Force command bases. At left is Col. Sam Maddux Jr., wing (base) commander. Third from left is Capt. Paul G. Meacham, pilot, formerly of Convair Fort Worth.

(3) General Dynamics Corporation's chairman and president, John Jay Hopkins, was honored by the Lotos Club in New York City last month at a state dinner. Left to right: His Excellency Sadao Iguchi, Ambassador of Japan to the U.S.; Hopkins; Herbert C. Hoover, former president of the U.S.; His Excellency Toshikazu Kase, Japan's permanent observer to the United Nations. Hopkins spoke, summarizing his atomic age philosophy and plans for harnessing the atom to the service of humanity.

(4) These are three of leading Employee Suggestion men at Convair Fort Worth with top records in cost reducing ideas. Top to bottom: J. L. Roberts of Dept. 33; John Arendall of Dept. 4; H. L. Gilbert of Dept. 29.

(5) Dept. 81 people at Fort Worth, conducting their own project for aiding needy, supplied this new twist. They posted trucks outside employee gates to gather clothing. Shown are L. M. Hyatt and D. L. Nasche.

(6) E. W. Henry of Dept. 81 is among the latest "believers" at Fort Worth. Safety glasses saved his left eye when a sliver broke from a cutter while he was operating a milling machine.

(7) First winner of Convair FW Management Club trophy for management improvement went to Temco Aircraft Corp. A. L. Franzolino, left, is shown accepting it from W. H. Knight, club personal development chairman. Center is Louis H. Barnett, president of Loma Plastics, Inc., whose firm was second.

(8) Her Majesty, Queen of the Netherlands, is shown disembarking from a KLM Convair-Liner during a recent trip to the West Indies.

(9) The new freeway link connecting Convair Fort Worth with miles of new four-lane divided highways was opened at 3:10 p.m. Dec. 1. First over the road were officials' cars. Station wagon carrying August C. Esenwein, Convair FW manager, and Marion L. Hicks, assistant manager, represented Convair.

(10) Recent Convair FW visitors are shown here with Lt. Col. Leonard J. Hutton, AF plant representative at FW, and J. T. Cosby, B-58 program director, left, and W. C. Deitz, B-58 senior project engineer. Center are Wing Commander E. B. Harvey and Group Captain A. B. Searby of Royal Air Force, and Col. K. E. Pletcher, USAF.

(11) A. P. Higgins, Plant 2 works manager at San Diego, is shown addressing group of civic leaders from Antelope Valley when they visited Convair SD recently. Group, representing various communities in Palmdale-Edwards area, flew to SD and saw parts of F-102A production.

(12) A class at Children's Opportunity Center at Fort Worth, which Con-Trib-Club funds help support, is shown in session. Mrs. Frances Polansky is instructor and at left is Mrs. Archie Smith, wife of a Convair man.

(13) W. J. Martin, left, manager of F-102A operations at Palmdale, is shown with Harry Rumbaugh, Palmdale field operations chief, inspecting artist's plans for new facility there.

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CRA Activities at SD

(CRA stands for Convair Recreation Association, an organization to which all Convair employees belong. Financed by proceeds from candy and soft drink machines in the plant, the association is run by a Council of employees who are commissioners of various activities. The association is run by employees for the benefit and recreation of employees. All Convair people should feel free to join any of the groups such as are listed on this page or suggest organizations of new activities.)

AEROMODELERS—Jim Saftig, commissioner, ext. 411 or 282, Plant 2. Club meets first and third Thursdays at 7:30 p.m., Conference Bldg., Balboa Park.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1 (second shift). Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner. Call Martha Woodberry, ext. 1245, Plant 1, or Grace McGrath, AT-1-8686 or AT-2-0975, for intermediate and advanced class schedules. New beginning classes: Mondays, 8 to 9 p.m.; Wednesday, 8:30 p.m. (all Latin); Thursdays, 8:30 p.m. (intermediate American and Latin). Teen-age classes: Mondays, 6:30 to 8 p.m.; Thursdays, 7 to 9 p.m. (practice session); Fridays, 7 to 8:30 p.m., Grace McGrath Dance Studio, 3294 El Cajon Blvd. Children's classes in tap, acrobatic and ballet, weekday afternoons and all day Saturday.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 230, Plant 2 (second shift).

BOWLING—Mike Brooks, ext. 404, Plant 2; Jim Hayman, ext. 637, Plant 1, commissioners. Winter leagues now rolling. Tuesday through Friday at Pacific Recreation; Thursday at Victory Lane; Friday at Tower Bowl.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meeting second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1451, Plant 1. The Choralaires rehearse each Monday, 7:00 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park. Register catches with employee services, either plant, to be eligible for cash prizes and button awards.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Club meets second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635 or 1232, Plant 1. Convair Golf Club meets first Thursday each month. Members will be notified of meeting time and place. Best Ball partnership tourney, Agua Caliente, Dec. 17-18.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 234, Plant 2, commissioners. Club meets second Tuesday of each month, 7:30 p.m., Natural History Museum, Balboa Park. Club shoot, rifle, trap and skeet, first Sunday of each month at Gillespie Field, El Cajon.

HORSESHOES—Kurt Klein, commissioner, ext. 1710, Plant 1.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Skating session for Convair employees and their families each Thursday at 6:30 p.m., Sonald Ice Skating Studio, 3464 Midway Drive. Lessons available at special rates from studio. For further information call AC-2-4467.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Meetings each Friday at 7:30 p.m., House of Charm, Balboa Park. Scheduled operations first Friday of month.

MOVIES—Free movies at CRA Clubhouse each Friday, 7 p.m., for Convair employees and their families.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 p.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. Tuesday night shoots discontinued until spring.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Regular meeting tomorrow (Dec. 15), 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 319, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults), 7:30 p.m.; Saturdays, beginners, 9 a.m. to 1 p.m.; intermediate, 1 to 2 p.m.; advanced, 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. No moonlight or breakfast rides during December.

ROCKHOUNDS—Dan Whorton, commissioner, ext. 426 or 777, Plant 1. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Tuesdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m.; Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee service, both plants.

SKI CLUB—Joe Harris, commissioner, AT-4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., CRA Clubhouse.

SKIN DIVING—Bob Hutson, commissioner, ext. 1638, Plant 1. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. For further information contact Tom Simpson, HU-8-5923, after 4 p.m.

SOFTBALL—Tony Berardini, ext. 310, Plant 1; Gil Crosthwaite, ext. 230, Plant 2, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 345; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Forrest Holmes, ext. 1305, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 411, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 404 or 411, Plant 2. Club meets first and third Thursdays, 7:30 p.m., Conference Hall, Balboa Park.

SWIMMING—Convair swim nights at Mission Beach plunge discontinued until further notice.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Workshop sessions Tuesdays and Thursdays.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Ed Birch, commissioner, ext. 1778, Plant 1. Club meets second Tuesday of each month, Room 8, Conference Bldg., Balboa Park.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners.

Movie Calendar

Free CRA movies each Friday at 7 p.m., CRA Clubhouse, San Diego, for Convair employees and their families.

Friday, Dec. 16: LOST IN ALASKA, Abbott and Costello.

No shows scheduled during holiday season.

SKI SWIM—Believe it or not, these are Convair Pomona ski fans at Mammoth, pictured taking a dip after day on skis. Air was chilly, but water was comfortable, thanks to warm springs. At left are Sandy McMaster, Bob Smith, Bryce Evans, Bea Reaser, George McKoy, Pat Evans, Bobby and Joe Worthey. At right are Pat Evans, Bobby Worthey, just entering water, as Mike Worthey and Cledith Rue watch.—Photo Chuck Rue.

Rivets

Kenneth Row, Convair SD fireman, landed a "well traveled" fish while angling in the Sacramento River near Anderson, Calif.

The 7-pound King salmon had been tagged by the California Department of Fish and Game and Row returned the tag. Soon afterwards he received a letter for his trouble, informing him that the fish had been tagged and freed 26 days before and 140 miles south of the point where he caught it.

* * *

Chance is more reliable than design, or so it seemed to **Barbara Blake**, whose presence adds more than a touch of beauty to the cashier's office in Bldg. 19 at San Diego.

While on a trip to Europe a month or two back, Barbara kept leaving notes along the way in an effort to contact a college friend who she knew was also touring the same countries. The notes were of no avail, but fortune brought them together in Venice—aboard passing gondolas!

* * *

Graduation from high school in Lancaster, Calif. on June 9 is a family tradition with **Walter Austin** of Dept. 529, stationed at Palmdale.

His son, Larry, graduated on that date this year. Walter was a graduate on that day in 1927. His father, Harry Austin, graduated on that day in 1905!

* * *

Sears Roebuck Co. added a bright note to the Christmas toy collection and repair project sponsored by the Convair SD Management Club and the Con-Trib-Club this month. The company donated a box of new toys that had been used as displays.

Riding Club to Hold Xmas Party on Saturday

Convair Riding Club at San Diego will wind up its activities for the year with a Christmas party at 8 p.m. Saturday (Dec. 17) at Palomar Stables.

Dinner will be served at 6:30 for those who make reservations in advance.

Due to the year-end holidays, no breakfast or moonlight rides have been scheduled for December, Commissioner Marc Beresford said.

Convair Basketball Teams Score Victories in Pre-Season Tourney

Convair basketball teams entered in the pre-season placement tournament at San Diego came through their first games of the season undefeated.

Convair No. 1 drew a bye in the opening round and then scored at will to top the San Diego Zoo in the second round.

Convair's Eagles edged past Linda Vista by a 35-30 count in the first round and then downed Bank of America by 71-34 in the second.

The double elimination tournament will continue through December to determine team assignments in the various leagues. The Convair No. 1 team will likely play in San Diego's top loop—the City League—while the Eagles will compete in Industrial League action.

Meanwhile, the Convair's girls team continues to work out in preparation for the opening of loop play shortly after the first of the year.

Best Ball Tourney Last SD Golf Event

CRA will stage its last golf event of the year Saturday (Dec. 17) and Sunday with a partnership best ball tournament at Agua Caliente Country Club.

Sixteen turkeys will be awarded the eight teams posting the lowest best ball score.

Reservations may be made by calling ext. 541, Plant 2.

CRA Again to Back Bargain Film Nights Beginning on Jan. 3

CRA at San Diego will renew its sponsorship of "Convair Night" at the Rio Theater beginning Jan. 3 and continuing each Tuesday night.

Upon presentation of Convair ID cards, employees and their families will be admitted at a special rate—25 cents for adults and 10 cents for children.

CRA sponsored the special night during the early part of 1955 but was forced to suspend when the theater changed its operating practices.

Coleman Receives Harmon Award For Vertical to Horizontal XFY-1 Flight

(Continued from Page 1)

ord eight-day 3,000-mile simulated anti-submarine patrol May 17-25, 1954.

Following the ceremony Coleman and Eppes were guests at a luncheon given by General Dynamics Corporation at which John Jay Hopkins, chairman and president, was toastmaster.

Among those paying tribute to the airmen were some of the nation's top military leaders, Adm. Arleigh Burke, Chief of Naval Operations; Vice Adm. T. S. Combs, Chief of Naval Operations (Air); Rear Adm. J. S. Russel, Chief of Navy Bureau of Aeronautics; Lt. Gen. C. F. Schilt, Marine Corps director of aviation; Gen. Thomas White, Air Force Chief of Staff.

The Harmon Trophy is awarded annually for "the most outstanding international achievements in the arts and/or science of aeronautics for the preceding year, with the art of flying receiving first consideration."

Representing Convair, in addition to Hopkins, was J. V. Naish, Convair executive vice president.

Palmdale Sponsors Turkey Tourneys

Table tennis and horseshoes command their share of attention among Convair's employees stationed at Palmdale, results of a turkey tournament revealed this week.

Seventy-eight players took part in horseshoe competition while 77 entered the table tennis event.

Turkeys were awarded J. W. Richardson, K. M. Hemmingson, D. E. Hoegh and H. Raptis in table tennis and S. P. Holden, S. J. Aycock, C. F. Sweetland and H. W. Austin, Jr., in horseshoes.

CLAYTON SCORES DOUBLE WIN, TAKING BOTH .22 POLICE AND CENTER FIRE TROPHIES

George Clayton of Dept. 115 at Convair SD scored a double win in the November Pistol Club shoot staged at the Police Range.

Clayton's 288 in the .22 Police event tied him with Russ Oliver for first in the master class with Clayton winning the shoot off. He then turned in a 267 score to cop honors in the center fire national event.

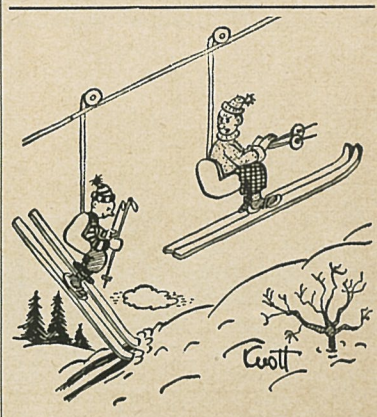
Bill Geopfarth posted a 283, one point better than Roy Poston in the expert class, while Harvey Ingalls shot a 272 for tops in the sharpshooter's class.

Commissioner Ash Bishop this week announced that the club's regular Tuesday night events would be cancelled until next spring.

Lutz and Sawamura Win in Table Tennis

Dick Lutz (Dept. 350) and Lucky Sawamura (Dept. 6) were top Convair SD entries in an Industrial Recreation Council table tennis tournament staged Dec. 8 at CRA Clubhouse.

Lutz was runner-up in the Class A division, while Sawamura won the Class B bracket.



"Junior! Stop dragging your feet."

CRA Sports & Recreation Convairiety

Leaders Hotly Pursued As Bowling Leagues Pass Season's Half-Way Mark

Keglers at Convair San Diego are looking forward to two weeks of inactivity during the holiday season and then a return to action after the first of the year which will see most leagues pass the half-way mark in winter action.

"Individual leagues are deciding how long they will suspend," said Commissioner Jim Hayman. "Most will drop out for two weeks, while some will suspend for three weeks, the extra week making it possible for members to play in a local San Diego city tournament scheduled for that period."

Meanwhile, a few teams in each league began to pull away from the pack, while other leagues are registering close competition throughout.

In the Tuesday Little League the Five Spares are out front with the Four Hits and a Miss right behind. Jay Morris' 243 game and Elinor Lockout's 210 are high individual scratch, while Frank Budz leads the scratch series with a 609 for the men and Dorothy Weaver paces the women with a 501. The Fire Balls with a handicapped 874 and 2,403 for series and game are high.

Here are the leaders in other loops:

MIXED MASTERS: Leaders, Bend-O-Mats, Saints; high game, John Adams (252), Margaret Hunt (219); high series, James Garrison (624), Helen Bolland (528); high team game, Davidson Brothers (866), high team series, Dreamers (2,450).

MIXED PAC: Leaders, Mud Dobbers, Miscellaneous; high game, H. Rifenberrick (246), Jackie Robbins (176); high series, Stand Fandel (553), Ruby De Carolis (433); Pick Ups hold high series (2,417) and game (916).

WHIRLAWAY: Leaders, Experimental, Maintenance; high game, Dick Jeller (236), Florence Crawley (201); high series, Ray French (596), Evelyn Lee (520); high team game, Lucky Five (872); high team series, Afterburners (2,374).

ENGINEERING: Leaders, Gadgeteers, Tigers, Con Men; high game, Bob Baker (277); high series, Bob Baker (711); high team game, Hot Pots (982), Power Puffs (2,894).

CONVAIRETTES: Leaders, Sea Darts, Convair-Liners; high game, Atha Moyer (221); high series, Helen Kiesel (532); high team game, Sea Darts (789); high team series, Sea Darts (2,283).

775 LEAGUE: Leaders, Dukes, Los Gordos; high game, Dean Hayes (247); high series, C. L. Britton (605); high team game, Los Gordos (963); high team series, Los Gordos (2,618).

850 LEAGUE: Leaders, three-way tie for first between Pin Busters, Mechanical Maintenance and Misfits; high game, Bill Schackel (261); high series, Otto Peterhansel (664); high team game, Engineering (975); high team series, Pin Busters (2,819).

TOOLING, PLT. 2: Leaders, Tuffies, Cutters tied for first; high game, E. E. Smith (232), Diana Allen (175); high series, E. E. Smith (584), Diana Allen (419); high team game, Mock Ups (695); high team series, Tuffies (1,861).

SWING SHIFT: Leaders, Pin Choppers, Rockets; high game, Bill Hannah (262), Nancy Sellers (216); high series, Bill Hannah (610), Nancy Sellers (557); high team game, Tops (872); high team series, 3 Plus 2 (2,459).

Dick Ransdell's 77 Leads SD Golf Club Linksmen at Border

Dick Ransdell toured the links at Agua Caliente Country Club Dec. 3-4 in 77 strokes to win low gross honors in the Convair SD Golf Club event for December.

R. Long and J. Downs tied for low net in the top handicap bracket with 71s.

Other low gross winners in order were Tom Gonzalez, W. Clifford, and a three-way tie between B. Sutton, R. Reich and W. Berry. Low net was won by E. McKenzie, Oscar Bell and H. Wagner. Ernest Jessen was the blind bogey winner. Phyllis Rehm won the ladies' division, with Charlotte Addesso taking low net honors.

House Quickly Sold For CRA Ice Show

A Convair SD audience will gather at the San Diego Arena this Saturday to see a special matinee showing of the "Ice Capades of 1956."

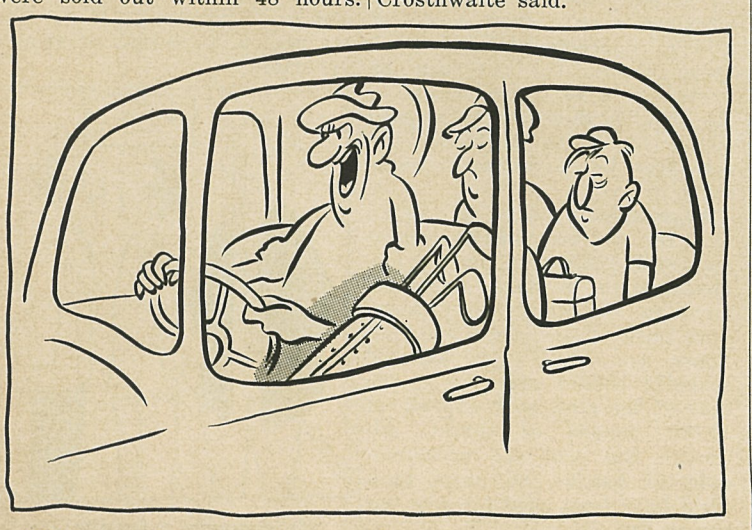
Tickets to the CRA-sponsored show went on sale Dec. 1 and were sold out within 48 hours.

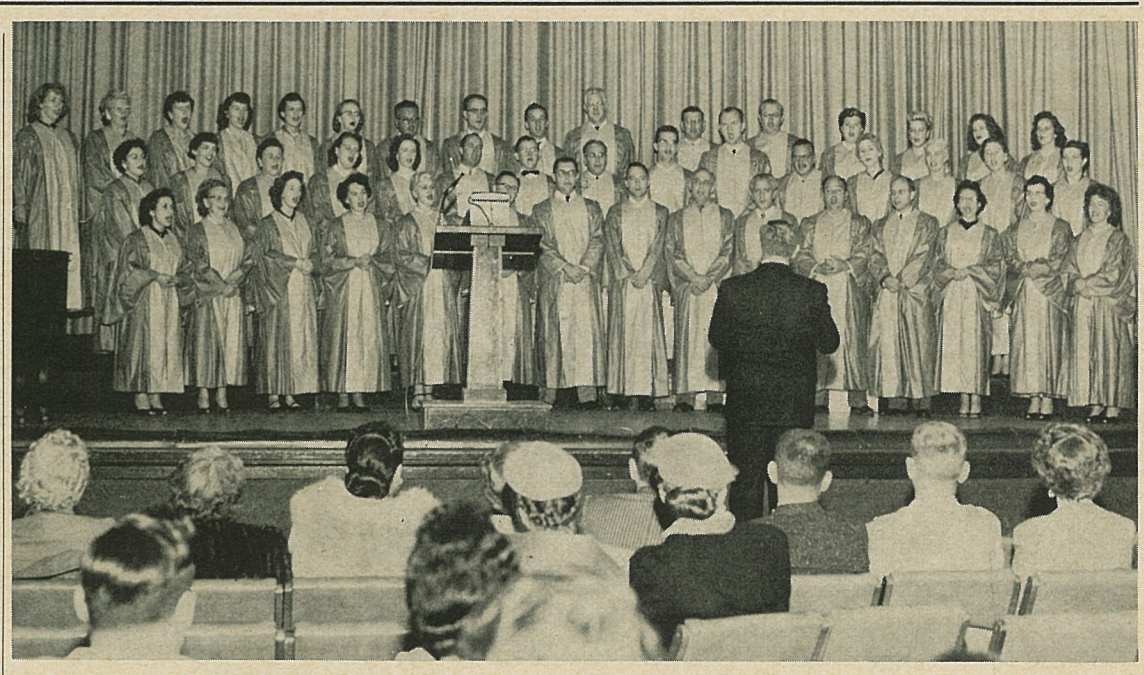
Shop League Hoop Meeting is Called

Shop league basketball at Convair SD will be organized tomorrow (Dec. 15) at a 4:45 p.m. meeting set for the CRA Clubhouse, Commissioner Gil Crosthwaite said this week.

Tentative plans call for two leagues of six teams each to play on either Tuesday, Thursday or Friday. However, several teams are now needed to fill out this plan.

"We urge managers (or men who might represent a group of players) to attend to help map out final plans for the season," Crosthwaite said.



"I'll let you fellows out here at the main gate so you can go right to work . . . I'll cruise around and look for a place to park."

CHORALAIRES—Shown while entertaining a Convair "Ladies Night" gathering in Balboa Park last week are members of CRA's 50-voice mixed chorus. They gave an outstanding performance under the leadership of W. A. Vogel, director.

Men Admitted To "Ladies' Night"

With the barriers temporarily down (admitting men to the usually "feminine only" gathering), a mixed audience last week spent an entertaining evening at the monthly CRA "Ladies Night."

Chief speaker was Art Briese, known as the "Knight of Satire," who competed for attention on the program with the Choralaires, CRA's own choral group, singing under the direction of W. A. Vogel of Dept. 8. Their music included duets by Phil Ayers and Winnie Mae Ziegler, both of Dept. 6, as well as Joseph Lo Duca, Dept. 603-2, accompanist, who played a piano solo of his own composition.

In keeping with the holiday spirit, turkeys were awarded as door prizes. Refreshments were served during the social hour. Hostesses were Mrs. Paul Pearson, Mrs. Mike Brooks, Mrs. Jack Swank, Miss Inga Klein, Mrs. Gene Horstman, Mrs. Kurt Klein, Mrs. Harry Bing and Mrs. Jack Benedict.

Mrs. Emmy LesTina of San Diego, widely known throughout southern California for her highly entertaining and humorous lectures, will be guest speaker at Ladies Night Jan. 10.

Collier, Lew Team For Tennis Victory

Dick Collier and Jim Lew topped the field participating in CRA's annual "chop suey" doubles tennis tournament for turkeys Dec. 3. The event drew most of Convair San Diego's tennis legions to Morley Field, Balboa Park.

The Lew-Collier duo downed Stewart Leong and Ray Papich in the finals. Both teams received turkeys.

While tennis events for this year have been completed, Commissioner Chet Dutton this week indicated Convair players have been invited to take part in San Diego County doubles events in a league that will play on Sundays throughout January and February of 1956. Players interested in participating contact Dutton at ext. 1287, Plant 1 to register.

Rockhounds at SD Plan Holiday Trip

CRA Rockhounds at Convair SD are planning a four-day field trip over the New Year's holiday. The excursion will take them to Picacho, Calif. (north of Yuma, Ariz.), where they will camp.

Dan Whorton, commissioner, advises that bulletins will be posted on CRA bulletin boards showing a map of the route. Markers will be posted at the turnoff in Winterhaven.

Some 30 ardent rockhounders enjoyed a field trip to Crystal Hill, Ariz., the weekend of Dec. 3. They came home with good specimens of quartz and limonite crystals.

CRA's Choralaires Face Busy Singing Season

This is the busy season for CRA's Choralaires at Convair San Diego.

The 50-voice mixed chorus has made four appearances so far this month with three other engagements scheduled before the end of the year and two shortly after the first of the year.

The group presented a program for the Convair Women's Association meeting Dec. 6 at Balboa Park. They appeared Dec. 8 and 9 at the U.S. Navy Hospital and also sang Dec. 8 for the annual Rockhound Christmas party.

Mercy Hospital will be the scene of a program tonight (Dec. 14) beginning at 7 p.m. for patients there.

Probably the largest crowds to see the Choralaires this year will gather at the Naval Training Center Dec. 21 and 22 for two engagements.

Jan. 6 the chorus will appear in Escondido and Jan. 18 will be guests of the Convair SD Management Club at their regular meeting.

W. A. Vogel of Dept. 6 is director of the group. Joseph Lo Duca is accompanist.

Special 'Rallye' for Sports Car Novices Planned for Dec. 18

Convair Sports Car Club at San Diego this week extended an invitation to novice fans to take part in a special "Rallye de Twenty Questions" which is scheduled for Sunday (Dec. 18).

Jerry Schultz, CRA commissioner, and R. A. Freedman, the club's activities committee chairman, pointed out that the event will be staged with the novice in mind.

"All you need for entry is a car, a map of San Diego and a reasonably accurate timing device," Schultz said.

"The course will be outlined and instructions given each driver-navigator team 20 minutes before the starting time (9 a.m.) at the executive parking lot north of Bldg. 19," Freedman added.

Trophies will be presented first, second and third place winners.

Children's Christmas Party Saturday For Desert Communities

Kids will be "kings" Saturday (Dec. 18) when Convair families living in the Antelope Valley gather for their annual children's Christmas Party.

The event will get under way at about 1:30 p.m. at the Antelope Valley Fair Grounds in Lancaster under the sponsorship of the Convair Wives Club. (The club is composed of wives of Convair employees at Palmdale and Edwards Air Force Base.)

Events scheduled for the day include games, contests, refreshments and will be highlighted by an appearance of Santa Claus.

Ham Radio Club to Hear 'Spike' Leslie

Convair Radio Amateur Club at San Diego will hold its regular meeting at the Radio Shack, Harbor Drive, tomorrow night (Dec. 15) beginning at 8 p.m.

M. C. (Spike) Leslie of Convair's electronics section of engineering will speak.

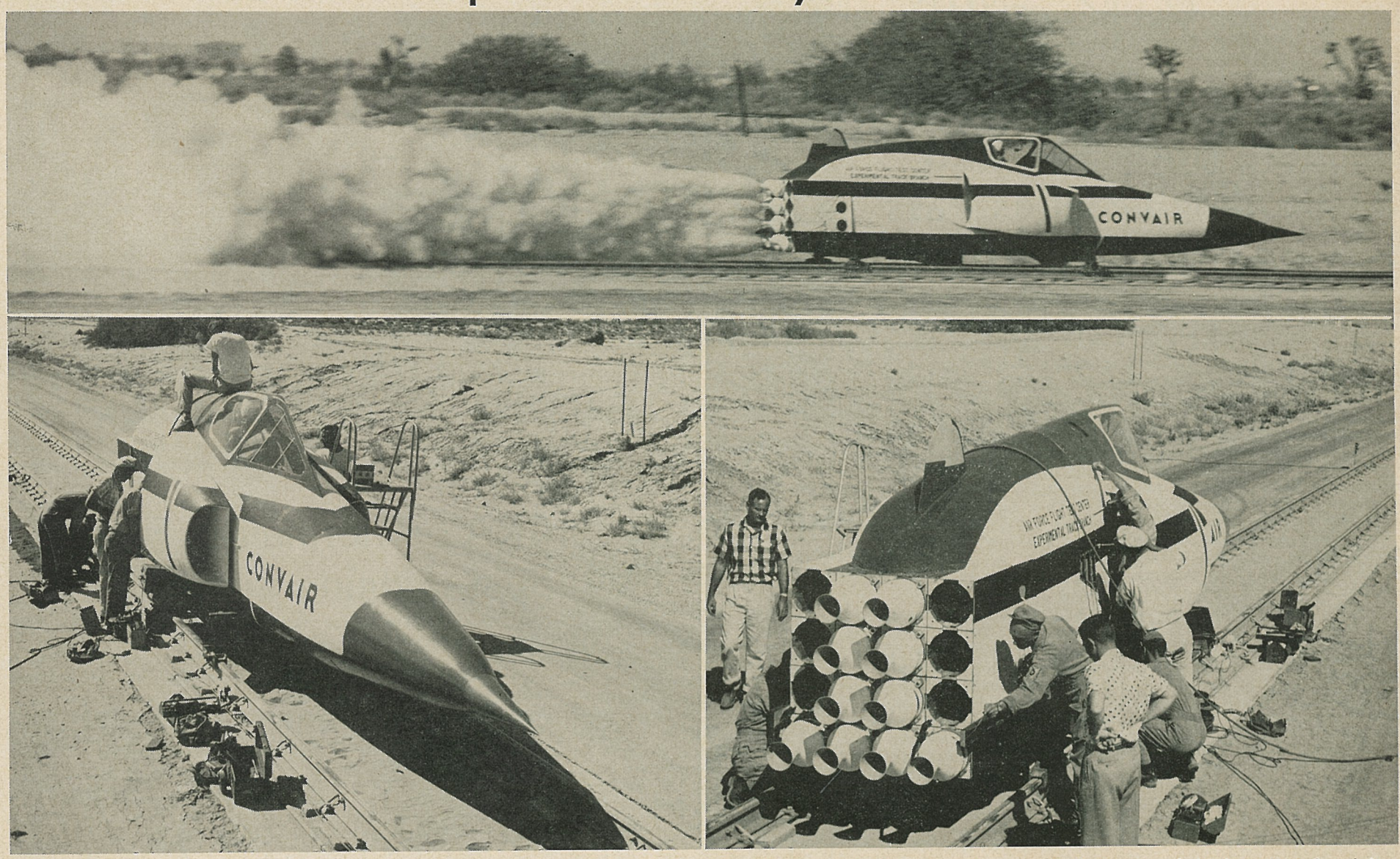
Because of the year-end holidays, the club will not meet Dec. 29, Commissioner Jesse Baker said.

ROCKHOUND SHANTY CLOSES FOR CLEANUP

The CRA Rockhound shanty at San Diego will be closed from Dec. 22 to Jan. 9 for a general cleanup program, after which classes will resume on the regular schedule.

DESERT BOWLERS—Pictured in front of an F-102A are members of one of three Convair teams rolling in Friday Merchants' League at Lancaster. Standing: C. A. Johnson, C. A. Stewart, M. G. Jackson, G. E. Sharp. Holding one of shirts they wear (bright lavender!) are J. A. Tate and H. G. Guenther. All are from Palmdale. Other two teams are from Edwards AFB. League is now in 12th week.

F-102A Nose Rides Supersonic Railway Rocket Sled in Desert Tests



SPECTACULAR—Scenes are at Edwards Air Force Base on Mojave Desert where rocket sled, carrying F-102A nose, races at near speed of sound in project to test characteristics of pilot escape apparatus. Blast from rocket battery sends sled speeding down 10,000-foot railway track. Water trough for last 2,000 feet brings sled to a safe halt. Technicians are shown readying sled for a run. Note battery of rockets.

Convair T-29s Lead Way To New Air Safety Mark

Convair-built T-29 trainers set the pace last month as Mather Air Force Base, Calif., established a new flying safety record for members of the Air Force's Flying Training Command.

Between August, 1954, and November, 1955, Mather crews have flown 100,191 hours without an accident. This represents 23,000,000 miles flown or the equivalent of 48 trips to the moon! During this time more than 4,000 observer student training missions were flown.

Of the grand total, T-29s have accounted for 79,952 hours flown with the next highest aircraft (B-50s) chalking up 10,494 hours.

Appropriately, a former Convair Fort Worth employee was at the controls of the T-29 which passed the 100,000 hour safety mark. He is Capt. Paul G. Meacham.

★ ★ ★

Flying Hours of TAA 240s Top 11 Years!

All five of the Model 240 Convair-Liners flying for Trans-Australia Airlines now have 20,000 hours or more in the air.

There are about 8,760 hours in a year. This means that each airplane has spent at least two years and three months in flight! Together they have been off the ground more than 11 years!

TAA's Convairs were among the first of the Model 240s to go into active service. They have flown more than a half billion passenger miles.

Test Pilot Film To Show F-102s

F-102As and the now grounded XF-92, world's first delta wing, will have roles in a moving picture "Toward the Unknown" being filmed this month at Edwards Air Force Base.

It is a Warner Bros. production based on the careers of Air Force test pilots, for release in late 1956.

The XF-92 will be used for ground shots simulating a "belly landing" sequence.

Now an Air Force traveling exhibit, the XF-92 during the last year has appeared before more people than many a movie star. Nearly six million persons have seen the airplane so far at appearances all over the country, including the Rose Parade throngs and Armed Forces Day crowds. Another cross country tour is being planned for it now, with appearances scheduled at New Orleans, Washington, D.C. and New York City.

Queen and President Fly Convair Ships

Royalty and top governmental leaders continue to use Convair airplanes, reports from two widely separated points indicated this week.

In the Netherlands West Indies, it was a KLM Convair-Liner that carried Her Majesty the Queen of the Netherlands on a recent tour; and it was a USAF C-131B operated by MATS that brought President and Senora Castillo Armas of Guatemala to the U.S. for a visit last month.

FW MAN GOES TO GENERAL DYNAMICS

Marvin L. Taylor of engineering personnel section at Convair Fort Worth in January will transfer to General Dynamics Corporation offices in Washington, D.C.

His job will be as staff assistant to Admiral Lawrence B. Richardson, General Dynamics board member and senior vice president. His field will be engineering recruitment for all General Dynamics divisions, and will also concern relations with universities. His job at Fort Worth, administrative supervisor in engineering, will be filled by H. A. Bodley.

Convair Motorists Safe on S-D Day

Convair employees came through in good style this month in the nation-wide Safe-Driving Day observed Dec. 1.

No Convair employees were known to be involved in accidents on the test day.

The City of Fort Worth reported only one injury and no fatalities.

In San Diego County there was one death and 28 accidents. Seven were injured.

Four Assigned to Convair Office At Sperry to Help in B-58 Work

The vital roles vendors play in the B-58 program were emphasized this week as Convair Fort Worth expanded its resident office at Sperry Gyroscope Co., Long Island, N. Y.

Four men were assigned to the office, and others may be named in the future.

Heading the office is Robert D. Chase as Convair resident representative. He formerly was group engineer in FW technical design.

Larry Sonntag, at Sperry for some time, is assistant to Chase.

J. B. Alldredge is procurement representative. He formerly was in FW contracts.

J. L. McQueen, formerly of FW inspection, is quality control representative.

Also to be called in as need requires are engineers on the B-58 and its systems.

The new office will be at Great Neck on Long Island and reports to M. L. Hicks, assistant division manager-contracts and procurement.

Hicks said purpose of the office is to help in every way possible to speed Sperry's work for the new supersonic bomber.

"Vendors develop the major subsystems on the B-58 and therefore Convair has a very real stake in their success."

Sperry Gyroscope Co. is a division of Sperry Rand Corp. It is one of seven firms announced as developing major subsystems for the B-58.

Pilot Bailout Triggered During High Speed Dash On Two-Mile Test Track

Racing along a two-mile railroad straightaway at near the speed of sound, a specially built F-102A nose section has been proving the safety of the F-102A's emergency pilot bailout system.

In the "driver's seat" is a six-foot, 200-pound rubber and aluminum dummy which during the tests is catapulted free of the cockpit and descends to earth by parachute.

Test location is a facility of the Air Research and Development Command located at Edwards Air Force Base on the Mojave desert in California. Tests themselves are conducted by Convair SD engineering department's mechanical test laboratories, in cooperation with the Air Force.

"Our concept of the F-102A escape system has been proved out generally," Ralph Bayless, chief engineer of Convair SD, explained. "However, we are constantly trying to make the system even better."

In effect, the test program simulates pilot bailout under a variety of speeds (from 260 miles an hour to virtually the speed of sound) and conditions (the component is so built that its "angle of attack" can be varied). To simulate a nose high angle of attack, characteristic of slow speed flight, the cab can be canted at a 10 degree angle to the sled. To duplicate high-speed flight (low angle of attack), the cab may be positioned accordingly.

Experimental at San Diego built the sled and modified a production F-102A nose for the job. Modification involved reinforcement to withstand the tremendous push of the rocket engines. These are JATO (jet assisted takeoff) bottles attached to the rear of the sled, each capable of 11,000 pounds of thrust. Although the sled can accommodate 16 bottles, no more than eight have been used for any one run so far.

It takes about 10 seconds for the sled to rocket down the 10,000 feet of standard railway track. The main rockets burn out in the first two seconds, with the sled reaching maximum speed after the first 3,000 feet. The last 2,000 feet of the run are for stopping! This is accomplished by a water trough between the rails. A V-shaped scoop beneath the cab bites into the ever deepening water and brings it to a halt.

In the F-102A ejection system a pilot can, in an emergency, bail out in two seconds. His first act is to dump cabin pressure and jettison the cockpit canopy. Then he triggers the seat ejection and is catapulted upward.

A normal test run with the sled requires about 25 Air Force technicians who do the actual firing and data recording. Convair assigns four test engineers.

Among the Convair engineers who have had leading roles in the project are Earl A. Kops, mechanical test engineer in charge; Wayne Smith, who has directed the tests at the site; H. F. Mohrlock, senior design engineer in the pilot escape section at SD; R. L. Hayward of the furnishings group at SD.

Also active on the project were W. F. Kemp of instrumentation and R. E. Sassaman, W. G. Messer and R. C. Smith of electrodynamics.

"He demands a royalty fee for having his picture on the $1 bills."

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Convairiety

San Diego EDITION

San Diego news office: Building 32, ext. 1071

Vol. 8, No. 26 Wednesday, December 28, 1955

SAN DIEGO AND POMONA, CALIFORNIA DAINGERFIELD AND FORT WORTH, TEXAS

MIDNIGHT OIL—Lights burned brightly in field operations at Convair San Diego this month as first Model 440 was speeded ahead of schedule. It flew for first time Dec. 16.

First of 440s Flying Tests

The first Model 440 Metropolitan flew a two-hour, ten-minute shakedown flight Dec. 16 and shortly thereafter was turned over to SD's engineering flight test to check out certain items for CAA certification.

The airplane by now is probably back with production flight undergoing the regular check of performance prior to customer acceptance.

A. T. Steck of production flight took the ship up for its maiden flight with Harry McKay, recently named chief pilot, production flight, as co-pilot. Also in the first flight crew were Ludvig Knudsen and C. J. Falkenthat, flight engineers, and E. F. Kosen of Dept. 6 handling instrumentation. After the shakedown, a crew from engineering flight test took over, including L. V. Hoffman, pilot, J. M. Elliott, co-pilot, J. K. Chott and E. Strehlay, flight engineers, and Kosen.

The airplane is about two weeks ahead of schedule, pushed ahead in order to allow for CAA certification flight time.

Supt. John Glenn reported that the second Model 440 is progressing steadily and should be factory complete about the middle of January at which time it will go to field operations for the production flight program. This will be a Continental Airlines plane.

(Continued on Page 2)

DIFFERENT—Easiest feature by which to distinguish the Model 440 Metropolitan from preceding Convair transports is rectangular exhaust, one of many "quieting" additions. Shown examining exhaust are Pilot A. T. Steck, who flew shakedown, and W. L. Young, Plant I works manager at SD.

Convair SD Safety Mark Confirmed as New World Record For Air Industry

Convair San Diego was assured of a new world's safety record this week with confirmation from the National Safety Council that the 9,075,355 manhours worked without a disabling accident in October, November and December shatters all previous marks.

In a congratulatory telegram to Convair, the Council's research and statistics division in Chicago, Ill., last week stated:

"YOUR 9,075,355 MANHOURS A NEW WORLD RECORD FOR AIRCRAFT MANUFACTURE AND ASSEMBLY. OUR HATS ARE OFF TO EVERY EMPLOYEE OF CONVAIR. . . . "

The Council knew of no other aircraft firm currently in the midst of any longtime accident-free period which might jeopardize Convair SD's right to a record.

The 68-day period began Oct. 7 and ended Dec. 13 with a tragic accident at Palmdale, Calif., when L. B. Smith, 31, field and service mechanic, was fatally injured while working on an F-102A.

Although the tragic climax to the more than two months of freedom from disabling injury took away much of the satisfaction, the record books nevertheless will carry Convair henceforth in first place in safety in the industry.

The National Safety Council further reported that Convair's previous mark of 7,986,460 manhours (set in July and August of

(Continued on Page 8)

CIPs and ESs Increase To 10,500 During 1955

Convair San Diego during 1955 has recorded its greatest cost reduction and conservation effort in more than a decade, unofficial reports indicated this week.

Although complete figures are not yet available, fairly close estimates reflected that Cost Improvement Proposals and Employee Suggestions submitted will number about 10,500, more than a third greater than in 1954. The number of ESs is up nearly 45 per cent and the CIPs about 14 per cent.

Savings are expected to be about $2½ million.

This is the amount of savings in materials conserved and efficiency improved that Convair is expected to realize from the CIPs and ESs actually put into operation during the 12 months.

"For every 1,000 employees we received 452 CIPs and ESs, a very fine participation figure. That figure, incidentally, has been climbing steadily. In 1952 it was 259. Each succeeding year has registered an increase," E. E. Hartzler, supervisor of cost reduction and conservation, said.

"In contributing to increased efficiency within Convair, these men and women have contributed also to greater job security. The more efficiently Convair operates the greater are the possibilities for new business, for expansion

(Continued on Page 2)

Humorous Speaker To Address Ladies

Convair San Diego ladies and wives are reminded that Mrs. Emmy LesTina will speak at CRA Ladies' Night, Tuesday, Jan. 10, in the House of Hospitality auditorium at 8 p.m. Mrs. LesTina is widely known for her humorous presentations. Tickets will be available at employee services, both plants.

Employment to Increase in '56 For Convair SD

Convair San Diego faces a busy year in 1956, with increased production and engineering development at the home plants and also at outlying bases, B. F. Coggan, San Diego manager, said this week in a year-end statement.

Employment, now at about 24,000, will average about 26,000 during next year, he indicated.

"Production activity in San Diego will center around many major projects, including the delta-wing F-102A supersonic interceptor, TF-102A combat proficiency trainer, Metropolitan 440 transport, R4Y-1 Navy transport, the R3Y turboprop seaplane and various missile and electronic programs," Coggan predicted.

"Electronics development work, which has been growing steadily for the past few years, will continue to expand, with a 10 per cent increase in personnel scheduled during 1956. Electronics activity will center largely around airborne radar and homing systems and precision tracking equipment which Convair has already developed to a high degree of efficiency.

B. F. Coggan

"In order to meet production and development schedules, employment will continue to climb gradually during 1956.

"Engineering is working on many classified projects which have good production potential.

"Our planned San Diego expansion program in 1956 will include expenditures of several million dollars for capital facilities. This is in addition to $3½ million now being invested in a supersonic wind tunnel here. Our plans include more than $1 million for new engineering and research facilities. It is also planned that over $2 million will be invested in buildings, land improvements, machine tools and production equipment.

"Our facility improvement program, which we are carrying out from year to year, is planned to maintain Convair San Diego as one of the most modern aircraft research and production organizations. In the planning stage is a new radome testing facility as well as expansion of our engineering computer facilities. These additions will be built adjacent to the present engineering building. When the $3,500,000 super-

(Continued on Page 6)

Hopkins & McNarney Send '56 Greetings

John Jay Hopkins, chairman and president of General Dynamics Corporation, last week sent this greeting to all divisions:

"To each one of you, a member of the General Dynamics family, I should like to express my sincere wishes for a very Merry Christmas and a Happy and Prosperous New Year."

Similar greetings also were extended to all within Convair from President Joseph T. McNarney.

Dozens of Needy Families Helped By Convair Gifts

Christmas was made much brighter this year for dozens of needy families and scores of children, through generosity of Convair San Diego people.

In nearly every department, money which would have been spent for exchange of Christmas cards or gifts went into a general fund to help the less fortunate.

Convair's own Con-Trib-Club was instrumental in furnishing names of needy Convair people, and when requests outnumbered prospective families, departments went outside to find them through recommendations of the Salvation Army and the Welfare Department.

After investigating the needs of the individual families, departments determined the type of aid most appropriate. Gifts ranged from outright cash to certificates for food and clothing, toys, food and miscellaneous items (such as a bed and refrigerator donated by Convair's BAR office in addition to clothing, food and toys for their "adopted family").

Early this month, some 1,500 toys, donated by Convair people, were turned over to the Salvation Army for distribution to deserving children in San Diego County. The toys were collected by the SD Management Club.

Hopkins Backs Plan to Establish Science Institutes at La Jolla

Convair and John Jay Hopkins were in the forefront recently when a delegation of San Diego community leaders proposed establishment at La Jolla of two new scientific institutes of the University of California.

Hopkins, chairman and president of General Dynamics Corporation, appeared with civic leaders before the university's Board of Regents at the UCLA campus and strongly endorsed setting up an Institute of Pure and Applied Physics and an Institute of Mechanics at the southern location.

Following the presentation, Edward A. Dickson of Los Angeles, chairman of the meeting, assured the delegation that the plan would receive "our very serious and sympathetic consideration."

Hopkins told the board that industry has been greatly affected by scientific discoveries and predicted that there must be "more and more harmonious interlocking of business and education."

He said that "a great new era of the atom is developing" and that "the doors in this secret box must be unlocked as rapidly as possible."

"It can be a Pandora's box for war or for peace," he added.

Hopkins told the regents that General Dynamics has appropriated $10 million for a laboratory to be operated by its General

(Continued on Page 2)

★ ★ Log Book Entries ★ ★

Service Emblems

SAN DIEGO

Service emblems due during the period Dec. 16 through Dec. 31:

Twenty-year: Dept. 5, E. A. Reynolds. Dept. 6, G. A. Dewey, O. P. Stockton. Dept. 8-3, W. I. Miller. Dept. 27, B. R. Swarts. Dept. 70, T. L. Gilchrist. Dept. 401, D. E. Plympton.

Fifteen-year: Dept. 6, D. A. Curtiss, J. P. Frick. Dept. 27, R. E. Brown. Dept. 31, G. R. Bell. Dept. 101, H. L. Williams. Dept. 300, C. D. Mangels. Dept. 350, C. R. Mabry. Dept. 440, J. A. Marshall. Dept. 522, W. R. Kemper, R. H. Moore. Dept. 528, R. E. Harper.

Ten-year: Dept. 6, J. R. McLemore, B. W. Weight. Dept. 8, G. S. Pruski. Dept. 14, D. P. Boyd, I. E. Herder, Cora M. Northen. Dept. 22, M. B. Stewart Jr. Dept. 25, E. C. Nikodym. Dept. 52, David Rodriguez. Dept. 70, R. R. Lamberson, W. G. Walker. Dept. 72, J. T. Fenwick, M. L. Hawkes. Dept. 215, P. R. Barley. Dept. 350, W. D. Anderson. Dept. 401, V. O. Williams. Dept. 406, S. J. Jones. Dept. 528, M. L. Dodson. Dept. 603, Joseph DeVico.

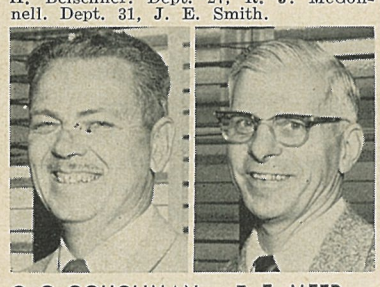
POMONA

Twenty-year: Dept. 31, F. W. Sechrist. Dept. 51, John Balla.

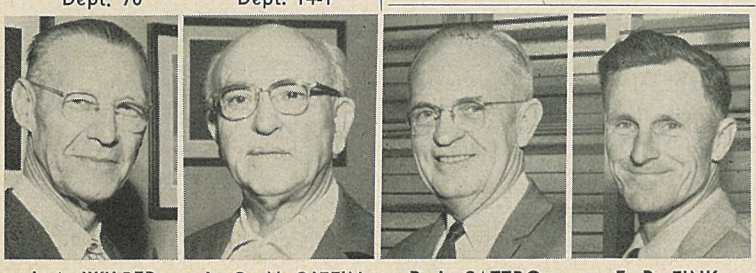
Fifteen-year: Dept. 5, F. W. Burke.

Ten-year: Dept. 6, R. W. Wollenweber.

Five-year: Dept. 4, O. R. Grimm, Mildred V. Jennings. Dept. 5, R. V. Fieger. Dept. 6, R. E. Barrera, D. E. Brieske, T. R. Metsinger. Dept. 8, R. H. Belschner. Dept. 27, R. J. McGonnell. Dept. 31, J. E. Smith.



G. O. COUCHMAN, Dept. 70 — F. E. MEER, Dept. 14-1



J. A. WILBER, Dept. 28-1 — L. G. McGIFFIN, Dept. 406 — R. L. SATTRO, Dept. 27-2 — E. R. FINK, Dept. 25-1

Immediately above are new 20-year service men at San Diego, while the latest to receive 15-year emblems are pictured below.

C. D. JEANES, Dept. 522-5 — G. J. CHARBONEAU, Dept. 25-6 — H. L. DIXON, Dept. 522-0 — P. G. OSBORN, Dept. 523 — R. F. YTURRALDE, Dept. 60

L. D. RUSH, Dept. 350 — H. A. BLOMKE, Dept. 55 — D. R. NYE, Dept. 258 — B. C. MANDEVILLE, Dept. 31 — J. A. GORMAN, Dept. 9-1

W. C. GRIFFIN, Dept. 72 — L. P. PETERSEN, Dept. 31 — W. H. GLENN, Dept. 31 — R. B. ALLEN, Dept. 6 — C. W. McKERLIE, Dept. 6

D. N. ARELLANO, Dept. 25-1 — W. B. GREGOVICH, Dept. 31 — R. E. TOWNSEND, Dept. 14-1 — G. D. KLINE JR., Dept. 528-5 — R. A. DAVIS, Dept. 203

C. G. RAPP, Dept. 25-1 — L. G. LAWSON, Dept. 28-1 — B. J. CAMPBELL, Dept. 6 — H. W. MILLARD, Dept. 6 — J. A. MARSHALL, Dept. 440

ART WRIGHTSON JR., Dept. 8-1 — P. A. WARREN, Dept. 31 — LADISLAO MACIEL, Dept. 115 — R. C. BEEZLEY, Dept. 102 — F. I. GARRISON, Dept. 115

★ Awards ★

SAN DIEGO

Employee Suggestion awards totaled $2,332.75 for the weeks ending Dec. 1 and Dec. 8:

Dept. 4, Material: N. Howells, $15; A. R. Marquis, $38.

Dept. 10, Industrial Accounting: M. T. Nickas and F. V. Constande (joint award), $5 each.

Dept. 14, Shipping & Material Stores: H. G. Easter Jr., $5; F. Newton, $15; I. M. Rutherford, $191.25 (partial payment).

Dept. 22, Manufacturing Control: P. T. Fusselman, $33.50.

Dept. 24-1, Tooling: E. G. Pitzer, $100.

Dept. 25, Plant Engineering: J. A. Burger, $10; L. L. Norman, $15; L. E. Spangler, $29; C. A. Wallace and A. Cilona (joint award), $10 each; F. S. Webster, $10.

Dept. 30, Model 8 Final Assembly: W. C. Campbell, $10; S. B. Holder Jr. and T. G. Saint Sing (joint award), $7.50 each; R. E. Vanlandingham, $10.

Dept. 31, Experimental: K. R. Abbott and W. Kubistek (joint award), $66.25 each; H. E. Brust, $15; R. Cummings, $10; L. D. Harris, $20.

Dept. 37, C-131B Final Assembly: C. S. Johnson, $10.

Dept. 44, R3Y Hull Sub-Assembly: G. E. Brown Jr. (two awards), $15.

Dept. 52, 340 Wing: W. Baker, $5.

Dept. 55, 340 Fuselage: P. J. Aslin (four awards), $20; C. S. Goodman, $10; G. V. Green Jr., $10; B. R. Nelson, $5; K. Turner, $11.25.

Dept. 60, Model 8 Wing & Tail: P. Corrao, $97.50; H. L. Dodd and W. P. Small (joint award), $13.25; C. M. Kerby, $10; E. A. Otanez, $21.50; J. Williams, $15.

Dept. 70, Model 8 Fuselage: J. A. Barton, $44.50; R. O. Bingham, $15; E. J. Dauley, $5; T. J. Evans, $10; H. D. Gidney, $5; H. D. Gidney and J. W. Coudy (joint award), $14 each; R. Hay and H. Espinoza (joint award), $20.50 each; E. G. Johnson, $10; M. E. Melde, $10; C .Roach Jr., $23; A. E. Schweitzer, $10.

Dept. 72, Model 8 Fuselage Primary: H. C. Cook, $77.50; H. Frankston, $10; G. L. Keeran and L. A. Peister (joint award), $5 each; E. L. Toler, $12.

Dept. 101, Sheet Metal: A. R. Wadsworth and D. J. Thurman (Dept. 22), joint award, $10 each.

Dept. 115, Machine Shop: R. L. Allison, $10.

Dept. 201, Sheet Metal: J. A. Pinson, $25.

Dept. 202, Sub-Assembly: J. P. Ruiz, $101.25 (partial payment).

Dept. 203, Welding: N. B. Byrd, $30; F. E. Hitchcock, $34.50; J. R. Lindblom, $80; E. Thies, $15.

Dept. 205, Metal Forming: C. D. Lane, $20; H. G. Mondy, $10; H. G. Mondy and H. G. Hilliard (joint award), $10 each.

Dept. 215, Machine Shop: T. A. Dillard, $10.

Dept. 250, Electric Bench: R. L. Kramer (three awards), $61.50; A. T. Mills, $20.

Dept. 252, Electric Bench & Fabric: B. R. Snyder, $130 (final payment).

Dept. 255, Tubing & Cable: R. J. Derocher, $22.50 (final payment); K. M. Harvey, $10; C. H. Hoffman, $10.

Dept. 258, Proofing Mock-Up: C. E. Myers and L. Parsons (joint award), $5 each.

Dept. 355, Fabric & Tubing: D. R. Wilson, $10.

Dept. 403, Tool & Die Shop: J. R. Ahrens and R. F. Mansteen (joint award), $12.50 each (final payment).

Dept. 410, Purchasing: W. S. Bing, $10.

Dept. 522, Manufacturing Control: O. H. Gideon, $130; A. E. Hamilton, $20.

Dept. 524, Tooling: J. G. Hickey, $24 (final payment).

Dept. 528, Inspection: G. H. Augustenborg, $15; C. T. Foster, $20; F. H. McAfee, $15; H. S. Morgan, $5; L. F. Pendarvis (two awards), $35; E. E. Rose, $31 (final payment).

Dept. 572, Checkout & Electronics: E. H. Bliss, $5.

Dept. 603, Tool Manufacturing: J. S. Chamblin, $10; R. D. Nowka and L. E. Ward (joint award), $5 each; E. L. Patton, $56.

POMONA

Employee Suggestion awards totaled $131 for the period ending December 6 at Convair Pomona. They were:

Dept. 22: Lucile R. Offutt, $10.
Dept. 25: V. W. Smith, $21.
Dept. 27: C. J. King, $50.
Dept. 53: D. Matenzio, $15.
Dept. 63: A. S. Valentovis, $10.
Dept. 72: D. Robertson and R. Heathcote IV, $10; D. R. Hutchins, $15.

CIP's for the same period included:

Dept. 3: W. W. Hoyt.
Dept. 63: J. R. Peyton.

Promotions

SAN DIEGO

Promotions and transfers to or within supervision effective Dec. 12:

Dept. 4-5, Material: To GFE general supervisor, F. R. Blake.

Dept. 6, Engineering: To chief of computer labs., W. J. Schart. To engineering planning and estimating supervisor, H. S. Stutzman. To engineering planning and estimating asst. supervisor, F. R. Nadeau, D. P. Wright. To research group engineer, B. Ferber. To group engineer, A. H. Drayner. To asst. foreman, P. L. Dudney, F. Hecht, A. Lupenko.

Dept. 9-5, Estimating: To estimating supervisor, R. F. Ashe.

Dept. 11-1, Contracts: To chief of contract administration, A. T. Wood. To contract administrator, R. J. Riddell, D. C. Templeton.

Dept. 12, Production Flight: To chief pilot, H. McKay.

Dept. 15, Parts Sales: To parts sales technical supervisor, N. S. Simmons.

Dept. 25-4: Plant Engineering: To plant engineer-design, R. E. Dennington.

Dept. 250, Electric Beach: To foreman, D. W. Kennedy. To asst. foreman, C. R. Bowman.

Dept. 252, Electric Bench & Fabric: To asst. foreman, F. C. Buzzelli, D. R. Wilson.

Dept. 303-4, Model 8 Flight Test Operations: To asst. foreman, A. L. Hoy.

Dept. 440: To clerical asst. supervisor, R. V. Logan. To buying supervisor, C. T. Talbott.

Dept. 524, Tooling: To tooling general supervisor, A. M. Van Horne. To tooling supervisor, M. C. Copold, G. F. Lacy. To tooling asst. supervisor, W. Bailey Jr.

Dept. 528-2, Inspection: To inspection asst. supervisor, H. A. Benner.

Dept. 529, Palmdale: To chief of inspection, R. B. Kalanquin. To chief of operation services, F. J. Parker. To asst. foreman, H. Hegwood, C. A. Sheppard.

Dept. 558: To asst. foreman, F. W. Fitch.

Dept. 571: To asst. foreman, R. M. Golden, C. H. Splinter.

Dept. 603-4, Tool Manufacturing: To asst. foreman, N. L. Buchmiller.

POMONA

Dept. 22, Manufacturing Control: To mfg. control asst. foreman, R. L. Coburn.

Dept. 24, Manufacturing Engineering: To tool engineering general supervisor, A. H. Dunn.

Dept. 27, Quality Control: To inspection supervisor, Joseph Wrobleski. To inspection asst. supervisor, L. A. Kelley.

Dept. 61, Sub Assembly: To asst. foreman, L. V. Leach.

Personals

SAN DIEGO

My family and I wish to thank our many Convair friends, particularly those in Dept. 6, Dept. 22 and Dept. 101, for their many kindnesses and help during my recent illness.

Gordon J. Needles, Dept. 6

* * *

To the many kind people at Convair, particularly those in Dept. 70 and 303-4, we express our sincere thanks and appreciation for the many personal calls, messages of sympathy, and floral tributes at the death of our husband and father, Bernard Hill, Dept. 70.

Mrs. Dorothy Hill and family.

HUDDLE—Members of delegation to University of California Board of Regents confer before bid for new facilities. Left to right: Dr. Edward C. Creutz, Dr. Frederic de Hoffmann, Capt. Henry E. Bernstein, USN; James Archer, John Jay Hopkins, O. W. Campbell, R. H. Biron.

Hopkins Backs Plan to Establish Science Institutes at La Jolla

(Continued from Page 1)

Atomic Division, working "largely in basic research" and said that a decision by the regents favorable to the La Jolla campus expansion proposed by the San Diego Chamber of Commerce "would be decisive for our company . . . (and) would immediately create a very great interest on our part."

Hopkins said that a number of sites for the General Atomic laboratory have been considered.

In a brochure distributed to the regents the San Diego Chamber of Commerce proposed a $1,075,000 two-phase development of the present Scripps Institution of Oceanography campus at La Jolla.

Members of the delegation included Dr. Frederic de Hoffmann, a General Dynamics vice president and head of General Atomic; Dr. Edward C. Creutz, noted physicist recently named director of research of General Atomic; and Robert H. Biron, Convair vice president-administration and chairman of the chamber University of California Committee which spearheaded the program.

"If the board did decide to develop the La Jolla area for higher learning in the sciences, we could cooperate greatly, as we will have world-leading scientists working for us," Hopkins declared. Earlier he had pointed out that most of these notable scientists wish to continue teaching as an adjunct to any work in applied science they may be doing for industry.

The proposal was referred by the regents to the board's committee on educational policy, headed by Donald H. McLaughlin of Berkeley, who also pledged "'earnest and careful consideration."

First of Model 440s Makes Test Flights

(Continued from Page 1)

The No. 1 ship will go to Swiflite Aircraft Corp., a unit of Cities Service Oil Co.

B. F. Coggan, Convair SD manager, said that the Model 440 production schedule calls for completion of one 440 every four days for the first few months of 1956, with a higher rate—eight a month—taking effect in April.

Firm orders for 58 Model 440s have been placed by 11 different airlines or business concerns. Orders for the sale of others are being negotiated.

Births

SAN DIEGO

BENTZ—Daughter, Theresa, 7 lbs. 14 oz., born Dec. 11 to Mr. and Mrs. J. D. Bentz, Dept. 350.

CARNES—Daughter, Carol Ann, 8 lbs., born Dec. 15 to Mr. and Mrs. Earl Carnes, Dept. 44.

WHALEY—Daughter, Janet Arlene, 6 lbs. 4 oz., born Dec. 6 to Mr. and Mrs. Don Whaley, Dept. 9-8.

Deaths

SAN DIEGO

SMITH—Lee Bostick, Dept. 529, Palmdale. Died Dec. 13.

TROWBRIDGE—Roy B., Dept. 406. Died Dec. 7. Survived by wife, five sons, sister and eight grandchildren.

Lost & Found

SAN DIEGO

FOUND—Class ring, blue stone, in Bldg. 19, Dec. 7. Owner contact Lost & Found, Bldg. 32, Plant 1, ext. 1245.

John Scott to Speak For SD Section of Instrument Society

John E. Scott Jr., senior electronics engineer of the electrical standards laboratory of engineering at San Diego, will be guest speaker Jan. 12 at a meeting of the San Diego Section of the Instrument Society of America.

John Scott, Jr.

The meeting will be in the Garden Room of the Lafayette Hotel (formerly the Manor Hotel), 2223 El Cajon Blvd., beginning at 7:45 p.m. It is open to visitors. Those wishing to attend dinner prior to the meeting should make reservations through George Di Matteo, ext. 1054.

Scott, who has been with Convair since 1952, will speak on "What About Permanent Magnets?" A former radio engineer for the City of San Diego and senior civilian radio instructor at the Naval Air Station, North Island, Scott has been an associate physicist for the San Diego Division, University of California, and physicist and electronic scientist for the U. S. Naval Electronics Laboratory, San Diego.

CIPs and ESs Climb To 10,500 in 1955

(Continued from Page 1)

and greater employment."

A total of about $39,000 will have been paid out in Suggestion Awards during 1955, an average of about $23 per award. This is totally about $5,000 more than in 1954.

While the percentage of approvals of CIPs remained about the same (37½ per cent) the percentage of approvals on ESs rose from 22 per cent in 1954 to 25½ per cent in 1955.

Hartzler particularly commented on the continued increase in quality of the ideas submitted.

"Those who are closest to the job are the ones who are best able to recognize the possibilities of a better, faster, less expensive manner of doing the job," Hartzler continued.

"It is most gratifying to see how many are not only working, but thinking as well."

★ Convairiety ★

Founded Sept. 1, 1948. Published in three editions (Fort Worth-Daingerfield, San Diego, Pomona) by Convair Industrial Relations. General Offices, San Diego, Calif., Logan Jenkins, editor.

Approximate current total circulation, 45,000. News items and letters to the editor are solicited, but no advertising can be accepted.

SD Editorial Offices, Building 32, Plant 1, ext. 1071. Staff: Bryan Weickersheimmer, news editor; Grayce Fath.

FW Editorial Offices, Col. 71-C. Ext. 5290. Mailing address: Convairiety, Convair, Fort Worth, Texas. Telephone SUnset-7311. Staff: Bob Vollmer, news editor; Sally House.

Pomona Editorial Offices, Room K-222, Bldg. 2, ext. 6226, mail zone 3-8. Staff: James Combs Jr., news editor; Elizabeth McCuistion.

VISITORS—Three-way studies for a possible turboprop transport continued at Convair San Diego this month among representatives of Convair, Canadair and Bristol Aeroplane Co., Ltd. Above are, from left, A. R. Lambert, Convair SD chief of preliminary design; Karl Larsson, Canadair chief sales engineer; B. J. Kaganov, Canadair chief structures engineer; W. J. Strange, Bristol chief designer; W. K. Ebel, Canadair vice president-engineering.

YC-131C Turbos Finish Service Test Program

Two Convair YC-131C turboprop aircraft on Dec. 15 completed a hurry-up service test program at Kelly Air Force Base, Texas, more than six weeks ahead of schedule.

After eight months daily experience with the combination turbine - propeller craft, Lt. Col. Samuel C. Burgess, test squadron commander, described them as the forerunners of the future work horses in Air Force transport.

The two planes, originally Convair 340s built at San Diego, were delivered to Military Air Transport Service at Kelly in January after they had been converted to turboprop at Convair Fort Worth.

"The tests show conclusively that turbine - propeller aircraft have a most promising place as logistic carriers in the future Military Air Transport fleet," Burgess said.

Big aim of the tests was to pile up as much flying time as possible as quickly as possible. The two ships—though special conversions—put in more than 3,000 hours in the air in less than eight months.

Advantages proved were: shorter take-off, more rapid climb, shorter landings, greater speed (cruising at 320 and up), heavier cargo loads, faster and cheaper engine changes, easier servicing and lower fuel cost. The engines burn JP-4, a military fuel similar to kerosene.

The two planes averaged nine hours each in the air during November, their peak month.

Photo Unit For New Identification Card Pictures to Move to Plant 2

Production work in issuing new identification cards to Convair San Diego employees was about 65 per cent completed this week with the mobile unit scheduled to move to Plant 2 shortly after the first of the year.

Virtually all of Plant 1 has been covered, with the exception of a few small areas and the seaplane ramp area. Second and third shift employees have been processed during the past few weeks.

Approximately 15,000 new identification cards have been issued to date, according to Frank Merritt, chief of industrial security.

"We have had excellent cooperation during the program from individuals, departments, security personnel and especially the photographic laboratory, which has developed the negatives and printed some 75,000 pictures," Merritt said.

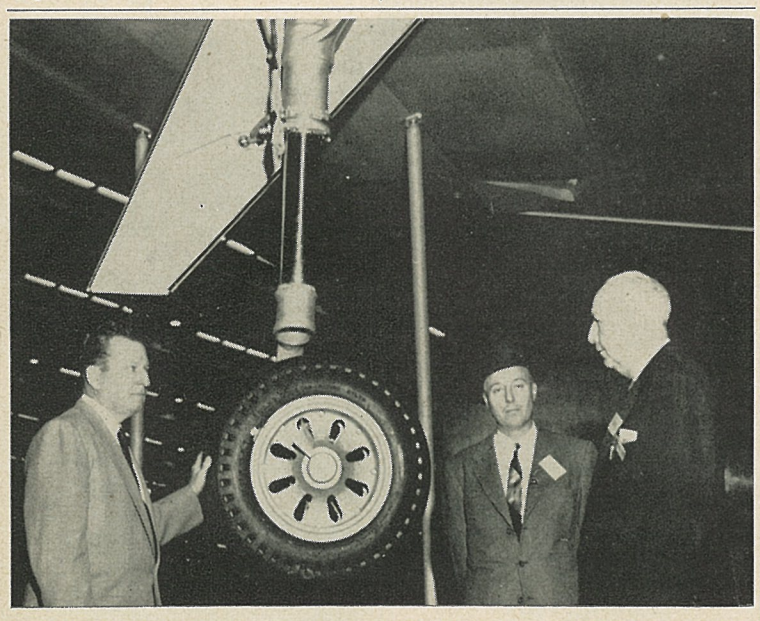
Meanwhile, Merritt explained how employees assigned to small Convair installations at such places as Cocoa Beach, Fla.; Holloman AFB, N.M., and others would be processed.

"We will just wait until these people return to San Diego, either on trips or permanently, and then issue them new cards," he said.

Convair FW Daughter Scholarship Winner

Betty Ann Rowland, daughter of R. A. Rowland, Dept. 14 employee at Convair Fort Worth, was awarded a $1,000 scholarship this month by the Girl Scouts of America.

Miss Rowland, a former district director with the Tarrant County Girl Scout Council, is studying for her master's degree in social work at Tulane University.



ON HAND—Visiting Boeing in Wichita when first B-52 was rolled out on Dec. 7 were B. G. Reed, left, assistant manager at Convair Fort Worth, and Bob Powelson, chief of contract administration, center, shown with Bert Cauby of outside production at Boeing.

Three Brothers All Have Same Birthday; Not Triplets, Either

Dec. 10 is a big day for the children of Convair Pomona's Mr. and Mrs. Joe Stupey. A big day for all except 11-year-old Pete, that is.

That day is the joint birthday of Joe, 17, John, 14, and Nick, 7. And a birthday candle doesn't stand a chance when they all start blowing at the cake.

Pete has to wait until March 15 for his birthday. And while he may feel left out on Dec. 10, there is something to be said for having a birthday all to one's self.

Mr. and Mrs. Stupey both work at Convair Pomona. Stupey is in Dept. 11, and Mrs. Stupey is in Dept. 4.

★ ★ ★

Friday 13th to Mean Fun For FW Family

There'll be two happy Fridays the 13th in 1956 for the M. C. Rogers family of Convair Fort Worth.

Rogers, a veteran jig builder, has a son and daughter. Both their birthdays in 1956 come on a Friday the 13th.

Elleen, a Meadowbrook junior high student, will be 15 on Jan. 13. Bobby J., a Tandy elementary student, will be 13 on April 13.

Tax Exemption Check Urged For Everyone To Assure Accuracy

Convair employees everywhere are advised to make sure that their Withholding Exemption Certificates (Forms W-4) are up to date for 1956.

Convair uses the certificates every pay day to determine how much tax to deduct. Therefore, it is important that any change of status be incorporated at once. If present certificates are correct, they should be allowed to stand. However, if they are in error because of a change of exemptions or for some other reason, new certificates should be obtained from Convair and filled out.

Exemptions usually change through marriage or divorce, when a dependent dies or is born, or when a taxpayer begins or stops supporting a dependent. Particular care should be taken not to claim more exemptions than the law allows, because of severe penalties.

★ ★ ★

Does Convair Have Your Right Address?

All Convair employees are urged to be sure that their correct mailing addresses correspond with those on file with Convair.

This soon will be particularly important as the company prepares to mail out W-2 Forms, essential to all in filling out personal income tax returns. If wrong addresses are carried on the company's books, the W-2 Forms will go astray.

Change of address cards are available from timekeepers.

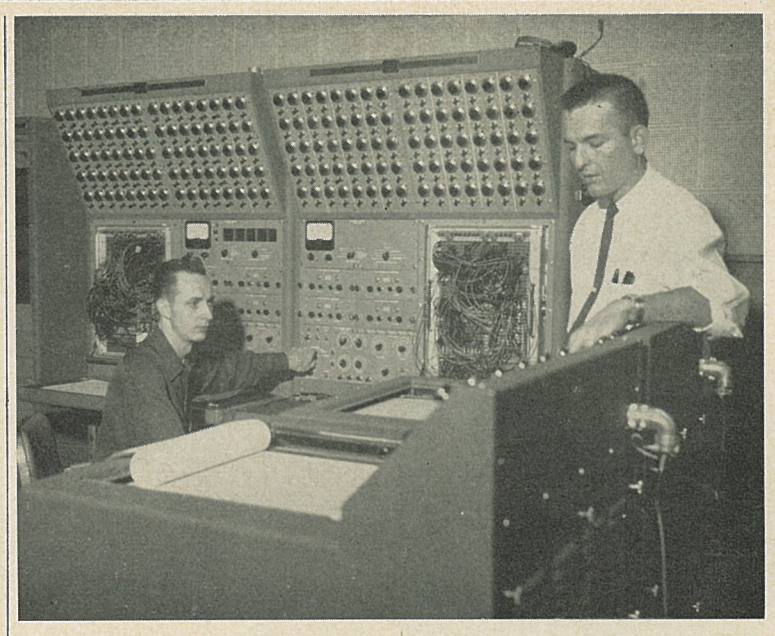
Excavation Continues For Storm Drainage System at Convair SD

Construction work on a new storm drainage system across Convair property at San Diego's Plant 1 is expected to be completed shortly after the first of the year.

The new drain system is part of an elaborate storm sewer system now under construction by the City of San Diego.

Ditch digging and pipe laying crews entered Convair property south of Building 4 about mid-October, moving parallel to Building 4 and then turning east at the end of Building 7 and out Gate No. 2.

Some 2,439½ feet of concrete pipe ranging in size from 42 inches in diameter down to 30 inches was installed on Convair property alone.



"FLYING"—Although they are on the ground, Convair FW's Ron Engel and Dick Hines are finding out what is happening to an airplane "in the air," through the accurate "imagination" of these new computers at FW's electronics computing laboratory.

B-58 Air Characteristics Studied 'From the Ground'

Convair's forthcoming B-58 bomber already has flown for many hours—by proxy.

The "flying" has been done from the ground through the medium of three new computers, far more advanced than any in previous use at Convair Fort Worth's electronics computing laboratory.

The new additions "think, figure and produce answers" faster and more smoothly than older equipment, according to Bill Evans, FW group engineer. The answers involve airplane flight characteristics under almost any given set of circumstances.

"The computer 'acts' like the plane and records what the plane would do in actual flight in terms of load factors and stress. The answers are figured almost instantaneously," Evans added.

In fact, it takes longer to set up the problem than it does to get an answer. Sometimes, several days are necessary, as well as close teamwork among the engineers who perform the operations, those who handle special projects and those who keep the machines and electronics equipment in order.

(At Fort Worth, Gene Heizer is in charge of machine operations; Jerry Wentworth has special projects, and Jim Sanders is in charge of equipment.)

The problem comes to engineers in the computing room in the form of mathematical equations. The equations then are worked out on a diagram to fit a "patch board" on the machine.

"The patch board looks something like a telephone switchboard, and we plug in wires to match our diagram," Evans said.

The problem is worked out and the answer recorded on charts that are readable to a trained engineer. All movements can be interpreted; pitch, yaw and others, as well as load and altitude.

"The computer can figure out anything the plane will do—as it does it," Evans continued. "And that 'plane' has been on some mighty long flights. Sometimes we keep problems on the board for as long as a month, trying out every conceivable variation under the circumstances."

Evans estimated that these new electronic additions will permit much faster computations.

"Now we can do five problems at once," he added.

"Incidentally, we are also beginning checkouts on some of the electronic systems for the B-58."

Five Years Ago...

Following are brief excerpts from Convairiety of five years ago:

★ ★ ★

August C. Esenwein named division manager at Convair FW replacing Ray O. Ryan who was appointed Convair vice president—manufacturing.

* * *

H. C. Deckard named assistant division manager and night manager of Convair FW.

* * *

W. S. Ivans of Convair SD sets new world altitude mark for sailplanes with a flight to 42,000 feet.

* * *

Convair Turboliner makes first flight from Lindbergh Field.

* * *

Ethiopian Airlines Convair-Liner performs jet assisted take-offs from Lindbergh Field.

* * *

A. E. Hill named superintendent of tool manufacturing at Convair SD.

CLOSE THING—B. J. Henry of Dept. 22 at San Diego, is shown reenacting accident during which freight elevator clamped down on his toes. The day after Henry came to work for Convair about four months ago he purchased a pair of safety shoes. His foresight paid off. He escaped with only a minor injury. Without safety shoes he almost certainly would have lost two or more toes.

Convairiety Year-End Quiz For 1955

This will be the third "year-end quiz" for Convairiety, covering most of the major events that affected Convair during 1955. On these two pages you will find the highlights of the year brought out in question form, with the answers on page 8. With only one or two exceptions, the questions cover material which has appeared in one form or another in the news columns of Convairiety during the year. There is less levity in this quiz than in those of past years, perhaps because there were more serious events recorded. At any rate, this is how the news happened to fall. The majority of the questions should not be overly difficult for those with a good over-all knowledge of what's been going on with Convair. Try your luck and check yourself against the correct answers which appear on the back page of this issue.

(A)

(B)

(C)

(D)

No. 1

During 1955 there was considerable news involving scientific research and atomic development. These four men were prominent in that news. Can you place their faces?

★ ★ ★

No. 2

One of these two men earned a Convair check for $2,400 on Sunday afternoon, Jan. 23, 1955, at San Diego. Which one? For doing what?

★ ★ ★

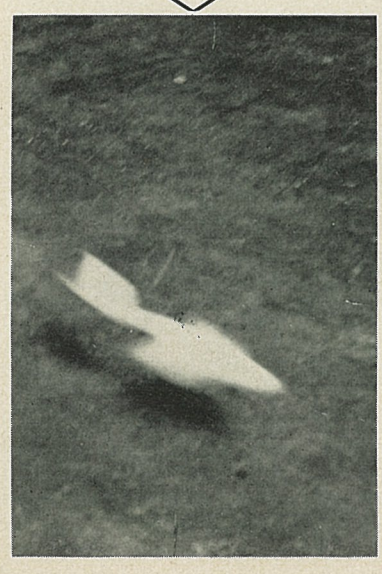
No. 3

John Jay Hopkins during 1955 crossed the Pacific and in Tokyo proposed an Asiatic Atomic Energy Commission. True? or false?

★ ★ ★

No. 4

This is an actual flight picture which appeared in **Convairiety** during the year. Can you determine the craft's ALTITUDE? Is it 10,000 feet? 1,000 feet? or one foot?



No. 5

Directors of General Dynamics Corporation in April, 1955, approved a merger with what company? (Stockholders subsequently approved, too, and the company became a new division of General Dynamics.)

★ ★ ★

No. 6

This airplane has done more highway traveling than any other ever built by Convair and perhaps greater than any other airplane ever built by anyone. It also has been consistently in the public eye, viewed by more than six million persons. Can you name it?

★ ★ ★

No. 7

This is a Convair pilot in the cockpit of his F-102A. Is it:

(A) Phil Prophett trying out new hot weather type flight helmet?

(B) B. A. Erickson who insisted on wearing a Texas size hat during checkout in F-102A.

(C) A. B. Treffer who traditionally dons this Kansas sun helmet after a flight.

(D) Jack Long with latest type of head-attached parachute.

★ ★ ★

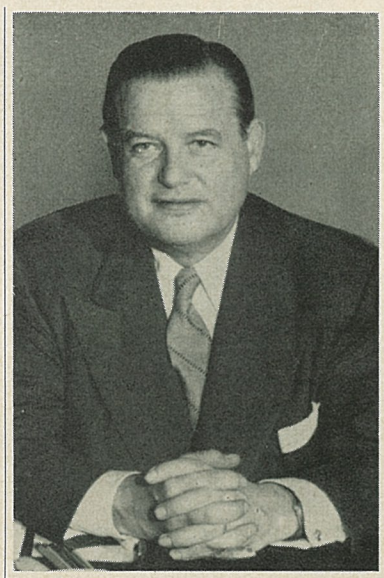
No. 8

Convair SD during 1955 produced the first of a number of R4Y airplanes (based on the Model 340 design) for the Navy. Do the passengers' seats face forward or backward?

★ ★ ★

No. 9

A number of teams, totaling about 300 members, are in the field from Convair Fort Worth, working at various Air Force bases. They are installing new fire protection in what airplanes?



No. 10

Who is this? and what national honor did he receive in 1955?

★ ★ ★

No. 11

This is Gay Cowie, 17, daughter of Convair SD's L. L. Washburn. Why did her picture appear in Convairiety during the year?

★ ★ ★

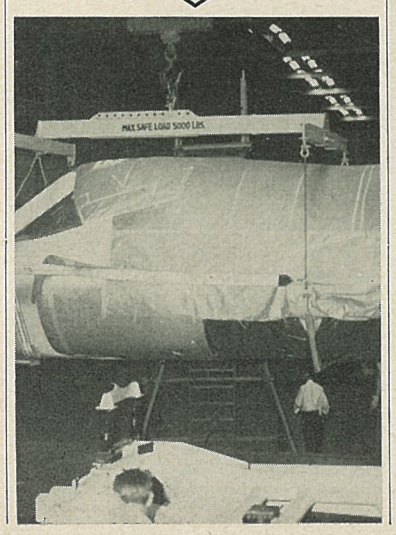
No. 12

During the fall a Convair R3Y of a different type flew from San Diego to Patuxent, Md. for testing. What was the unusual, identifying characteristic of this R3Y?

★ ★ ★

No. 13

This is a nose section built at Fort Worth. It is for what airplane?



No. 14

Stromberg-Carlson Division of General Dynamics Corporation builds all of these except one:

(A) Carburetors.

(B) Telephone switchboards.

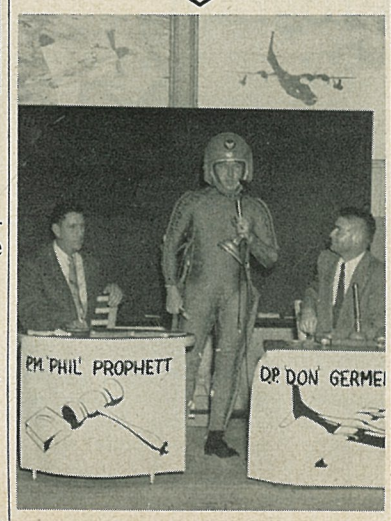
(C) Radios and television sets.

(D) Record players.

★ ★ ★

No. 15

Who is the chap in the pressure suit?



★ ★ ★

No. 16

Pomona, San Diego and Fort Worth all now have recreation areas in the process of development. Which one involves the most acreage?

★ ★ ★

No. 17

During November it was confirmed that Convair, Canadair speed class is it in? and what type of power is considered? and Bristol Aeroplane Co. Ltd. are combining on a study for a new transport airplane. What

No. 18

This well disguised gentleman is:

(A) Fred Gignilliat of FW in new "satellite suit."

(B) SD Fireman Don Spencer inside fire fighting armor.

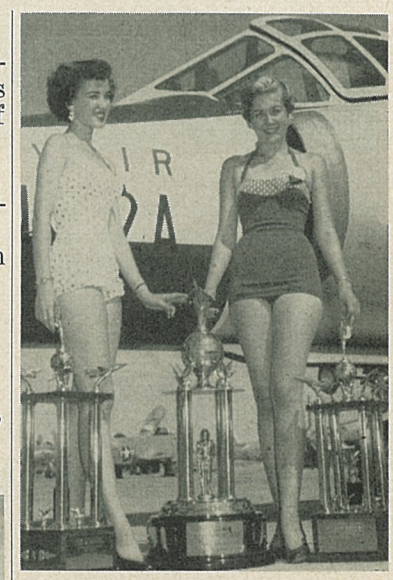
(C) FW's speedboat racing Tom Davis in latest racing gear.

(D) James Robinson, SD Dept. 102 sand blaster.

★ ★ ★

No. 19

During 1955, Convair observed the anniversary of the dedication of its plant in San Diego. Was this the 15th anniversary, the 20th or the 25th?



No. 20

These lovelies obscure the airplane in the background, but perhaps you can identify it anyhow.

★ ★ ★

No. 21

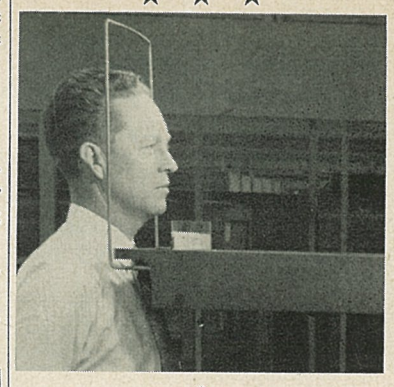
Is there a chance that Soviet Russia will get Model 340 service?

★ ★ ★

No. 22

Convair Fort Worth received a contract during 1955 to modify a number of C-54s for the Air Force, equipping them for what kind of duty?

★ ★ ★



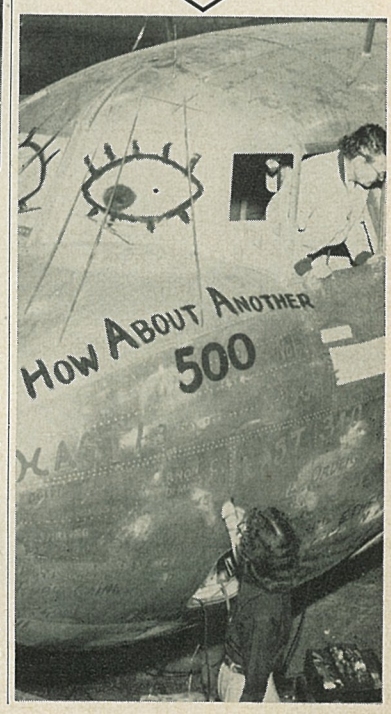
No. 23

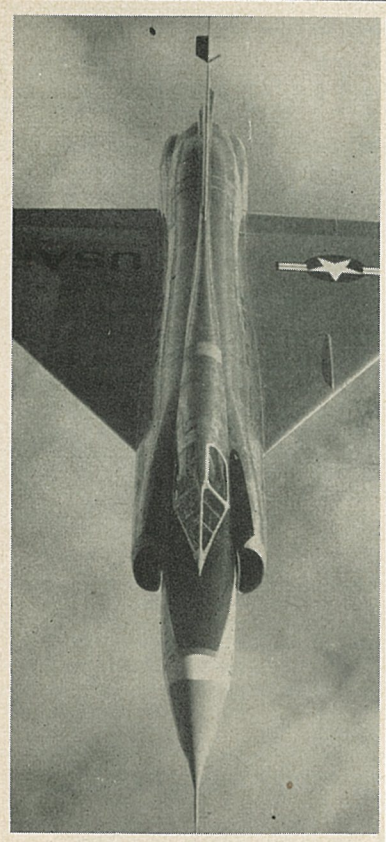
The monumental task of re-photographing everyone in Convair began during 1955 and is still continuing. For what purpose?

★ ★ ★

No. 24

To what does the "How About Another 500" refer in this picture?

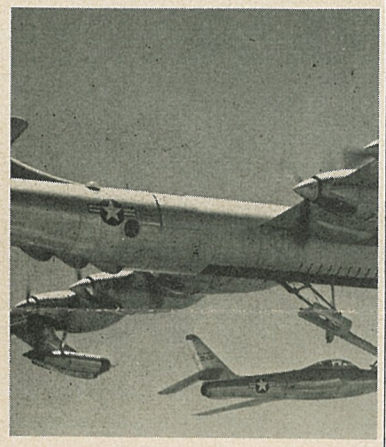




No. 25

There is one striking difference between the configuration of the F-102 and the F-102A, one which gave rise to a variety of pet names, such as the "Marilyn Monroe." What is it?

★ ★ ★



No. 26

What is going on here?

★ ★ ★

No. 27

In March of 1955 a dazzling list of prominent scientists joined Convair's research teams as advisors. Among them are specialists in many fields including theoretical physics, metallurgy, theory of metals, experimental physics and electronics, astrophysics. True? or false?

★ ★ ★

No. 28

Our researchers have voted this the neatest figure to appear in Convairiety during 1955, though competition was close. For her name, see page 8.

No. 29

Convair F-102A interceptors were much in the news in 1955. Flight of the first airplane (completed, incidentally, in a record 117 working days) was made Dec. 20, 1954, but not announced until January, 1955. Question: Did the airplane perform supersonically on its first or second flight?

★ ★ ★

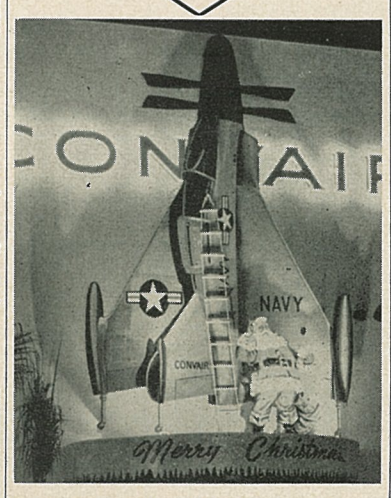
No. 30

An F-102A is at Eglin Air Force Base in Florida undergoing what kind of tests?

★ ★ ★

No. 31

This is a replica of the Convair XFY-1 (Pogo) which now stands atop Allison Division of General Motors building in Indianapolis, Ind. True? or false?



★ ★ ★

No. 32

Can you remember what these two Texans (Wes Magnuson and Larry Hayes) were doing when this photo was taken?

★ ★ ★

No. 33

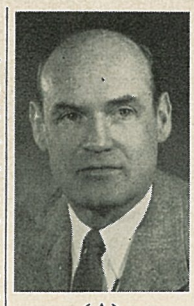
What is the model number for the latest Convair-Liner version, the first of which is now in flight test at San Diego?

★ ★ ★

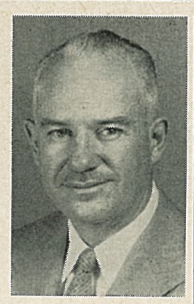
No. 34

During 1955 a Convair "colony" at Holloman AFB near Alamogordo, N.M. continued its important role in the F-102A program. Their primary task is:

(A) Armament testing.
(B) Speed testing.
(C) Maximum altitude testing.
(D) Escape system testing.



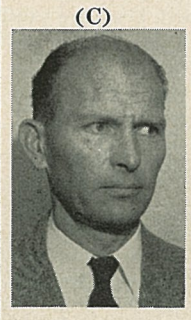
(A)



(B)

(C)

(D)



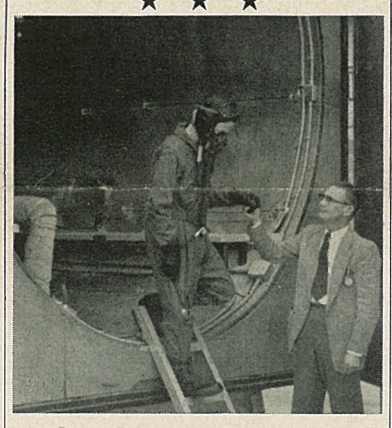
(E)

(F)

No. 35

These six men also figured in Convair affairs during 1955, though for widely different reasons. If you place all of these you can take a seat at the head of the class.

★ ★ ★



No. 36

In the flight suit is an FW man who has been simulating flight in a B-58. True? or false?

★ ★ ★

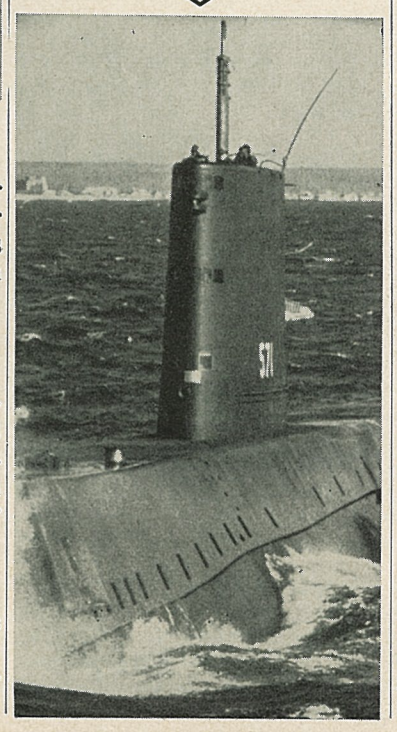
No. 37

Photos of B-36s with undersides painted white appeared in **Convairiety** during 1955. Why the paint job?

★ ★ ★

No. 38

Submarines seem a long way off from the airplane business, but Convair definitely had an interest in this one. Why?



No. 39

Convair, during 1955, announced a new college scholarship program under which five deserving students each year are helped to higher education. To qualify, must scholars have a parent who is with Convair?

★ ★ ★

No. 40

Crushed walnut shells are sometimes used to clean dirt and carbon from the turbines of the XFY-1 (Pogo). True? or false?

★ ★ ★

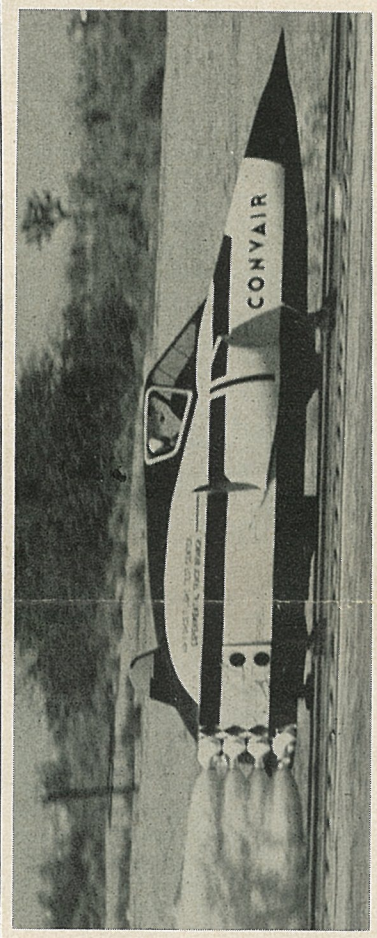
No. 41

Among the airlines which have ordered Model 440s is one which flies the "polar route" across the top of the world to Los Angeles. Which line is it?

★ ★ ★

No. 42

On the Mojave desert, Convair is using a rocket sled to test the F-102A pilot bailout system during high-speed runs. The sled travels over two miles of standard railway tracks. How does the sled stop?



★ ★ ★

No. 43

An R3Y Tradewind crossed the U. S. non-stop in February of 1955, averaging 403 miles an hour for the 2,400-mile trip. True? or false?

★ ★ ★

No. 44

This question is in two parts. What is the primary mission of the TF-102A? And what part of this plane is built at Convair Fort Worth?

★ ★ ★

No. 45

A new honor was created by Convair during 1955 to be bestowed annually, known as the President's Award. It is for the best record in what?

★ ★ ★

No. 46

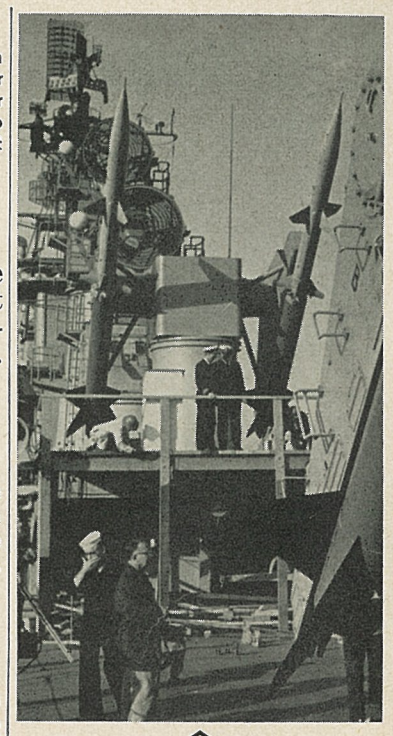
There is one fact in the following that is incorrect: Convair YC-131C turboprops went into service during 1955 for Military Air Transport Service's 1700th Service Test Squadron at Kelly Air Force Base, Fort Worth, Texas.

Can you spot the error?

★ ★ ★

No. 47

A Convair-built airplane during 1955 airlifted 300,000 pounds of cargo from Dover, Del. to Keflavik, Iceland. Can you name the plane?



No. 48

This picture involves the Terrier missile, product of Convair Pomona. It is shown aboard what warship?

(A) The Boston.
(B) The Canberra.
(C) The Mississippi.
(D) The Missouri.

★ ★ ★

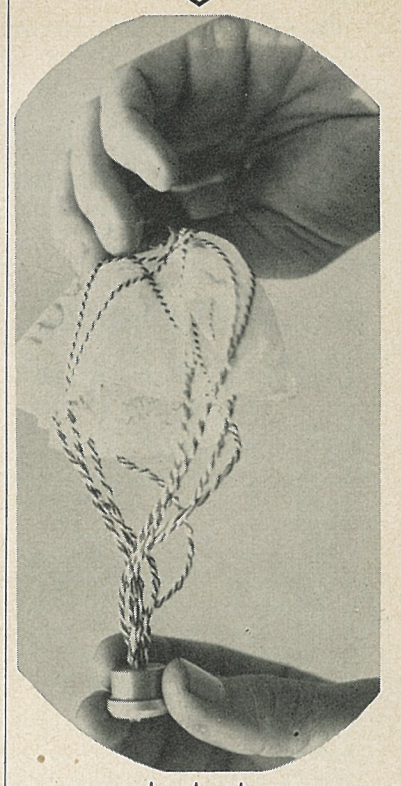
No. 49

In February of 1955 a Convair crew traveled to a corn field in Iowa and worked for some time in freezing weather and biting winds. Why?

★ ★ ★

No. 50

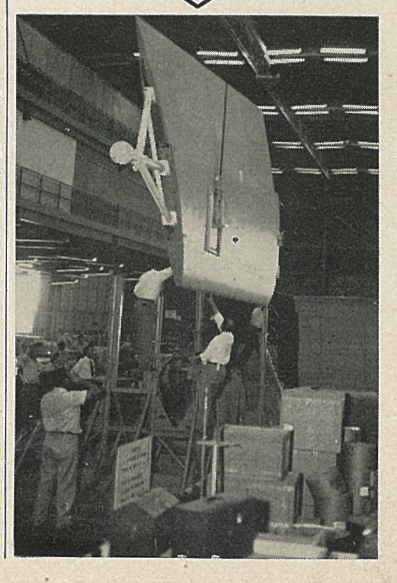
Is this a device for testing a new parachute opener? or has it to do with testing the effects of raindrops at supersonic speeds?



★ ★ ★

No. 51

This is a wing panel built at Fort Worth. Question: is it for B-58 or B-52?



Rivets

CORRECTION: Reports to **Convairiety** concerning results of the "chop suey" tennis tournament (**Convairiety**, Dec. 14) were a bit haywire. To set the record straight, **Stuart Leong** teamed with **Dick Collier** to defeat **Ray Papich** and **Jim Lew.** It was the first turkey Leong had ever won and may he win a lot more of them. (Stu, as you probably know by now, the only trick is to get Collier for a partner!)

* * *

A few weeks back **Convairiety** carried a story originating in Fort Worth to the effect that Convair FW had received a telephone company award because 90 per cent of the time FW phoners have the correct number; and also reporting that the FW plant averages 2,500 long distance calls a month.

Communicators at San Diego snorted that for once they have something bigger than Texas.

A spot check of Convair SD's long distance calls showed correct numbers in 97.5 per cent of cases, and that Convair SD Plant 1's monthly average of outgoing long distance calls is 8,902.

That's a lot of conversation.

Mrs. Grayce Merwin Heads Convair Wives For Next Half-Year

Mrs. Grayce Merwin was named president of the Convair Wives' Club Dec. 1 during a fashion show staged at the 2-Shay Ranch near Lancaster. The club is composed of wives of Convair employees at Palmdale and Edwards AFB.

Other officers named to serve for the next six months were Mrs. Sara Jump, vice president; Mrs. Betty Steele, treasurer; Mrs. Pat Workman, secretary, and Sylvia LaFond, luncheon chairman.

The fashion show and luncheon included showing of the latest fall and winter fashions.

Mrs. Phil Prophett was presented a farewell gift by members of the Convair Wives' bowling league during the meeting.

Arrangements for the affair were made by Mrs. Robert L. Hart and Mrs. Earl Hixon.

SD Man Gets Graduate Degree From U. of Cal.

E. T. Clare, assistant chief electronics engineer at Convair SD, is the first Convair SD man to receive a graduate degree from the University of California extension.

His master of science degree in engineering was mailed to his home late last month. Clare started his graduate studies shortly after joining Convair in 1952. He completed requirements for his degree in June, 1955.

Clare received a bachelor of electrical engineering degree from Brooklyn Polytechnic Institute in 1948.

Plant 2 Table Tennis Meet Makes Progress

A table tennis championship is developing at Plant 2 SD, second shift, with winners in three divisions: fabrication, major assembly and final assembly, playing for the title.

CRA Commissioner Gil Crosthwaite, who normally handles basketball, is taking the lead in the affair. There are more than 200 entries.

Players are in three classes, A, B and C, in each division. The A winners will play off for the shift title. A banquet for winners also is planned.

CONVAIR GIRL WEDS

Dorothy E. Allen, Dept. 215, Convair SD, and William L. Grier of the San Diego Transit Company, were married Dec. 4 in the Normal Heights Methodist Church, San Diego. A reception followed in the Onera Club.

Gradual Increase Seen For SD Employment

(Continued from Page 1)

sonic wind tunnel and other advanced research laboratories now being constructed or planned have been completed, San Diego will be one of the most complete and best-equipped aircraft research centers in the country.

"Operations will also increase at other bases managed by Convair San Diego. A $10 million production flight test facility for testing and delivering F-102A interceptors and TF-102A trainers is being constructed at Palmdale, Calif. New facilities for the F-102 interceptor program are being installed at Edwards Air Force Base which is the center of our engineering flight test work on this program. Armament test operations on the F-102A will continue to be expanded at Holloman Air Force Base, N.M. Testing of electronics systems will be continued at Patrick Air Force Base, Fla.

"The new year will see Convair-built fighter-interceptor type aircraft in air defense squadron service with the Air Force for the first time since World War II days. Noted primarily over its 32-year history as a leader in the field of heavy bombers, transports and seaplanes, Convair is now entering the fighter-interceptor field which has long been dominated by other aircraft firms. The F-102A is scheduled to enter the first operational squadron in the spring. By the end of 1956, the F-102A will be well integrated into the national defense system.

"Convair San Diego has some of the most experienced engineers and production specialists in the industry. This talent represents a solid foundation for future growth. We have a strong combination of scientific knowledge and physical facilities which is bound to lead to new opportunities in the aircraft, missile and electronics fields.

"During 1955, Convair San Diego paid out approximately $114,312,000 in wages to employees. Sub-contractors and other business firms in San Diego received approximately $22 million for materials and services during 1955. Business-wise, Convair San Diego had a good year in 1955. It is anticipated that our 1956 volume will be better."

SD Plant Engineering Comes From Behind to Tie in Housekeeping

Plant engineering at Convair San Diego climbed out of the pack to tie with four other functions for first place in the continuing good housekeeping contest during November.

It marked the first month plant engineering had earned the top bracket in the contest. Also posting perfect records were experimental, manufacturing control departments at both Plants 1 and 2, and field operations-plastics.

Average violations per employee dropped from .012 in October to .011 in November.

Average Violation Per Employee

	Nov.	Oct.
Plant Engineering	.000	.014
Experimental	.000	.018
Mfg. Control, Plt. 2	.000	.014
Mfg. Control, Plt. 1	.000	.017
Field Operations & Plastics	.000	.005
Tool Mfg., Plt. 1	.001	.005
F-102 Major	.001	.015
Fabrication, Plt. 1	.004	.010
Electronics	.005	.002
Fabrication, Plt. 2	.006	.011
340 Major & Final	.017	.000
Material	.021	.004
F-102 Final	.026	.023
R3Y and F-102 Comp.	.030	.002
Tool Mfg., Plt. 2	.064	.029

★ ★ ★

Seven Score Perfect Records in Safety

Seven were tied for first place with perfect records in the November safety contest at San Diego. This was the greatest number in the top spot scored this year. They had no injuries whatsoever.

The winners are: Dept. 31; combined Depts. 101, 102, 110, 115; combined Depts. 37, 52, 55, 56; Dept. 522; Dept. 22; combined Depts. 40, 43, 44, 45, 46; Dept. 300.

Also during the month, Plant 1 had the lowest number of doctor cases so far this year.

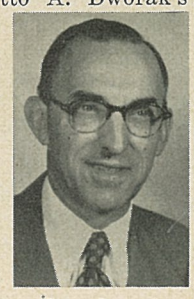
Con-Trib Membership Cards Issued at SD

New 1956 membership cards (wallet size) for the Employees Con-Trib-Club at San Diego were distributed this month, as well as stickers for residence windows to indicate Con-Trib membership to house-to-house campaigners.

Any who may have been overlooked, inadvertently, were advised to contact any employee services office, or to obtain cards and stickers from department clerks.

Otto Dworak Goes To SD to Help With TF-102 Coordination

TF-102 work at Convair Fort Worth gets still further emphasis Jan. 1 when Otto A. Dworak's new assignment is effective as Convair Fort Worth resident manager at San Diego.



Otto Dworak

Dworak, formerly chief of outside production, will be on the scene at San Diego to help coordinate Convair Fort Worth work of supplying nose sections for the combat proficiency trainer abuilding at San Diego.

Dworak's former job will be filled by S. E. Hillman, formerly material department purchasing agent.

Dworak joined Convair Fort Worth in 1951. He previously had material department experience with North American Aviation and Curtis-Wright Corporation.

Hillman came to Convair in 1953. A native of London, England, Hillman spent more than 10 years with the British-American Tobacco Co. in Shanghai, China, and was in business for a time in Hong Kong before coming to the United States.

Palmdale-Edwards Entertains Kids at First Xmas Party

The Palmdale-Edwards community held its first Children's Christmas Party last week with an estimated 400 youngsters from Convair families attending.

Santa Claus (who bore a striking resemblance to W. L. McBride when his whiskers sagged) handed out toys for all and the children watched a full schedule of cartoon movies. The party was held at the Joshua School auditorium in Lancaster.

Mrs. Robert B. Merwin and Mrs. Robert E. King of the Convair Wives Club took a lead in the project with M. F. Muir of Convair Edwards and Yale Naliboff of Convair Palmdale also active.

Vince Bacon Elected Coin Club President

Vince Bacon, Dept. 6, Convair SD, was elected president of the CRA Coin Club for 1956 at their December meeting. Also elected were Frank Dernbach, vice president; Dean Strange, treasurer; and Ann Smith, secretary, Jerry Schultz, commissioner, announced this week.

The club meets at 7:30 p.m., the first Tuesday of each month, at Dartlee Hall, 3680 Sixth Ave., and is open to all Convair numismatists.

BOWLING SUSPENDED

The Thursday and Friday leagues at Pacific Recreation and Tower Bowl have suspended bowling over the holidays. They will resume Jan. 5 and 6.

CRA Activities at SD

AEROMODELERS—Jim Saftig, commissioner, ext. 411 or 282, Plant 2. Club meets first and third Thursdays at 7:30 p.m., Conference Bldg., Balboa Park.

ARCHERY—Harry Bing, commissioner, ext. 513, Plant 1 (second shift). Club meets third Thursday each month, 7 p.m., CRA Clubhouse. Workshop in clubhouse open second, third and fourth Thursdays each month, 7 to 9:30 p.m. Saturday instruction sessions discontinued until further notice.

ASTRONOMY—Keith Sears, commissioner, ext. 388, Plant 1. Club meets first and third Fridays, 8 p.m., Radio Club headquarters, Harbor Drive.

BADMINTON—Fred Minter, commissioner, ext. 1135, Plant 1. League play Thursdays, 7:30 p.m., Federal Bldg., Balboa Park. Open play for Convair employees and their families each day.

BALLROOM DANCING—Ellen Andreasen, commissioner. Call Martha Woodberry, ext. 1245, Plant 1, or Grace McGrath, AT-1-8686 or AT-2-0975, for intermediate and advanced class schedules. New beginning classes: Mondays, 8 to 9 p.m.; Wednesdays, 8:30 p.m. (all Latin); Thursdays, 8:30 p.m. (intermediate American and Latin). Teen-age classes: Mondays, 6:30 to 8 p.m.; Thursdays, 7 to 9 p.m. (practice session); Fridays, 7 to 8:30 p.m., Grace McGrath Dance Studio, 3294 El Cajon Blvd. Children's classes in tap, acrobatic and ballet, weekday afternoons and all day Saturday.

BASEBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

BASKETBALL—Gil Crosthwaite, commissioner, ext. 230, Plant 2 (second shift).

BOWLING—Mike Brooks, ext. 404, Plant 2; Jim Hayman, ext. 637, Plant 1, commissioners. Winter leagues now rolling. Tuesday through Friday at Pacific Recreation; Thursday at Victory Lane; Friday at Tower Bowl.

CAMERA CLUB—C. E. Schultz, commissioner, ext. 289, Plant 2. Darkroom in CRA Clubhouse open each Monday, Tuesday, Wednesday and Thursday, 7 to 9:30 p.m. for club members only. Regular meeting second and fourth Mondays each month, 7:30 p.m., Photo Arts Bldg., Balboa Park.

CHESS CLUB—A. E. Munson, commissioner, ext. 1520, Plant 1. Club meets each Wednesday, 7:30 p.m., CRA Clubhouse. Sets available for lunch period games. Contact Munson.

CHORAL CLUB—Martha Woodberry, commissioner, ext. 1245, Plant 1. W. A. Vogel, director, ext. 1451, Plant 1. The Choralaires rehearse each Monday, 7:00 p.m., CRA Clubhouse.

COIN CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Club meets first Tuesday of each month, 7:30 p.m., Dartlee Hall, 3680 Sixth Ave.

FISHING—R. D. Marks, commissioner, ext. 200, Plant 1. Club meets second Monday of each month, 7:30 p.m., Conference Bldg., Balboa Park.

GARDEN CLUB—E. L. Zimmerman, commissioner, ext. 258, Plant 1. Club meets second Wednesday of each month, 7:30 p.m., Floral Association Bldg., Balboa Park.

GOLF—Russ Osgood, commissioner, ext. 1635 or 1232, Plant 1. Convair Golf Club meets first Thursday each month. Members will be notified of meeting time and place.

GUN CLUB—Jerry Schultz, ext. 1245, Plant 1; Gene Horstman, ext. 234, Plant 2, commissioners. Club meets second Tuesday of each month, 7:00 p.m., Natural History Museum, Balboa Park. Club shoot, rifle, trap and skeet, first Sunday of each month at Gillespie Field, El Cajon.

HORSESHOES—Kurt Klein, commissioner, ext. 1710, Plant 1.

ICE SKATING—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Skating session for Convair employees and their families each Thursday at 6:30 p.m., Sonald Ice Skating Studio, 3464 Midway Drive. Lessons available at special rates from studio. For further information call AC-2-4467.

LITTLE LEAGUE—Pete Beyrer, commissioner, ext. 1245, Plant 1.

MODEL RAILROAD—Bud Davies, commissioner, ext. 1501, sta. 53, Plant 1. Meetings each Friday at 7:30 p.m., House of Charm, Balboa Park. Scheduled operations first Friday of month.

MOVIES—Free movies at CRA Clubhouse each Friday, 7 p.m., for Convair employees and their families. Starting Jan. 3, bargain rates each Tuesday at Academy Theater (formerly Rio), 3721 University Ave.

PISTOL CLUB—Ash Bishop, commissioner, ext. 1413, Plant 1. Club shoots second and fourth Sunday of each month at 9 p.m., San Diego Police Pistol Range, Federal Blvd. and Home Ave. Tuesday night shoots discontinued until spring.

RADIO CLUB—J. B. Baker, commissioner, ext. 791 or 1080, Plant 1. Next meeting Jan. 12, 8 p.m., Radio Club headquarters, Harbor Drive.

RIDING CLUB—Marc Beresford, commissioner, ext. 319, Plant 2. Class schedule: Mondays, adults, 7:30 p.m.; Fridays, mixed (teen-age and adults), 7:30 p.m.; Saturdays, beginners, 9 a.m. to 1 p.m.; intermediate, 1 to 2 p.m.; advanced, 2 to 3 p.m., Palomar Stables, Friars Road, Mission Valley. No moonlight or breakfast rides during December.

ROCKHOUNDS—Dan Whorton, commissioner, ext. 426 or 777, Plant 1. Lapidary classes Mondays, Tuesdays and Wednesdays, 7 to 9 p.m., Rockhound Shanty. Classes for second shift, Tuesdays, 12:30 to 2:30 p.m. Regular meetings second Thursday of each month, 8 p.m., Natural History Museum, Balboa Park.

ROLLER SKATING—Saturday matinees each week, 2 to 4:30 p.m.; Skateland, Front and G. Admission 25c per person for Convair employees and their families. Admittance by club membership card. Cards available at employee service, both plants.

SKI CLUB—Joe Harris, commissioner, AT-4-0278 evenings. Club meets first and third Tuesday of each month, 8 p.m., Natural History Museum, Balboa Park.

SKIN DIVING—Bob Hutson, commissioner, ext. 1638, Plant 1. Club meets fourth Tuesday of each month, 7:30 p.m., Lecture Room, Museum of Natural History, Balboa Park. For further information contact Tom Simpson, HU-8-5923, after 4 p.m.

SOFTBALL—Tony Berardini, ext. 310, Plant 1; Gil Crosthwaite, ext. 230, Plant 2, commissioners.

SPECIAL EVENTS AND COMMISSIONERS-AT-LARGE—Eddie Robinson, ext. 296; Virginia Forbes, ext. 411; Paul Pearson, ext. 345; R. B. Carter, ext. 235, all at Plant 2.

SPORTS CAR CLUB—Jerry Schultz, commissioner, ext. 1245, Plant 1. Forrest Holmes, ext. 1305, Plant 1, president. Club meets first and third Wednesdays each month, 7:30 p.m., Natural History Museum, Balboa Park.

SQUARE DANCING—Larry Roth, ext. 411, Plant 2; Marty Stutz, ext. 259 or 656, Plant 1, commissioners. Beginners, Tuesdays; advanced, Thursdays, 8 p.m., American Legion Hall, 4061 Fairmount Ave.

STAMP CLUB—Jack Benedict, commissioner, ext. 404 or 411, Plant 2. Club meets first and third Thursdays, 7:30 p.m., Conference Hall, Balboa Park.

SWIMMING—Convair swim nights at Mission Beach plunge discontinued until further notice.

TABLE TENNIS—Pete Beyrer, commissioner, ext. 1245, Plant 1. Open play daily at CRA Clubhouse, Mondays through Fridays.

TENNIS—Chet Dutton, commissioner, ext. 1287, Plant 1.

TROPICAL FISH—Pete Beyrer, commissioner, ext. 1245, Plant 1. Club meets second Tuesday each month, 7:30 p.m., CRA Clubhouse. Workshop sessions Tuesdays and Thursdays.

VOLLEYBALL—Pete Beyrer, commissioner, ext. 1245, Plant 1.

WATER SKI—Ed Birch, commissioner, ext. 1778, Plant 1. Club meets second Tuesday of each month, Room 8, Conference Bldg., Balboa Park.

WOMEN'S ACTIVITIES—Martha Woodberry, ext. 1245; Grayce Fath, ext. 1071, Plant 1, commissioners. CRA Ladies' Night Jan. 10, House of Hospitality, Balboa Park. Guest speaker Mrs. Emmy LesTina.

Movie Calendar

Free CRA movies each Friday at 7 p.m., CRA Clubhouse, San Diego, for Convair employees and their families.

Friday, Jan. 6: FRANCIS COVERS THE BIG TOWN, Donald O'Connor.

Bargain-rate movies each Tuesday at 7 p.m., Academy Theatre (formerly Rio), 3721 University Ave., for Convair employees, families and guests. General admission: adults, 25c; children, 12 years and under, 10c.

Tuesday, Jan. 3: HELL AND HIGH WATER, Richard Widmark, and PRINCE VALIANT, James Mason and Janet Leigh.

Tuesday, Jan. 10: SABRINA, Humphrey Bogart, Audrey Hepburn, and HELL BELOW ZERO, Alan Ladd.

Four Thousand Attend Annual CRA Ice Revue Party at San Diego

SPECTATORS—Scenes are from matinee showing of Ice Capades of 1956 at San Diego, sponsored by CRA. House was packed with Convair families, with children much in evidence. Center is one of striking and colorful ice spectacles they saw. Tickets were sold on two for price of one basis.

High Winds and Rain Fail to Discourage Trap Shooters at SD

High winds and a driving rain failed to dampen the ardor of 130 shooters who turned out for the CRA Gun Club's second annual pheasant shoot held Dec. 4 at Gillespie Field, San Diego.

Pheasants were presented to winners in three divisions.

Taking home birds in the rifle luck event were Roy Cunningham, Richard Hill, Don Luppke, Bill Betteridge and Don Gundstrom.

Trap winners included Martha Woodberry, Emma Lee Swank, Tom Hemphill, Howard Brisendine, Jay Cushman, Willard Luppke, Blas Vargas, Frank Kemper, Howard Harvey, Hank Stroing, Roy Cunningham, Vince Cernuto, Bill McAdams, Paul Meredith, and Henry Jenkins.

Skeet honors went to Marvin Goodall, Johnny Johnson, Gene Pasek and Hank Stroing.

Babb to Head CRA's Gun Club Activities At Holloman AFB

E. O. Babb will head CRA Gun Club activities at Holloman AFB during the coming months after being named chairman at the group's December meeting.

Other officers are: A. B. Treffer, secretary-treasurer; John Harlow, range officer; W. C. Taylor, safety officer; Mrs. Jess Prior, refreshments; and Jerry Hinshaw and Glenn Goss, publicity.

A turkey shoot was held Dec. 4 with four turkeys being awarded. Frank Hall won the 100-yard iron sights event for men, with Mrs. W. C. Taylor winning the ladies' version of the same event. C. L. Smith copped the 100-yard luck event for riflemen, while Jess King won the pistol matches. Mrs. Jack Todd was awarded a turkey as a door prize.

Skeet & Trap Shoot Scheduled For Jan. 8

Convair Gun Club at San Diego will swing into the New Year with a championship skeet and trap match Jan. 8 at Valley Gun Club, Gillespie Field.

Trophies to second place will be awarded in each of three handicap groups in both skeet and trap.

In addition, a large bore rifle event will be held.

CRA Sports & Recreation Convairiety

Brieger First in Speeded up Chess; Convair Players Enter City Meet

Convair San Diego chess players have just finished a busy 28 weeks with completion of a "round robin rapid" tournament and the San Diego County tournament, A. E. Munson, CRA commissioner, said last week.

Fifteen Convair players took part in the round robin, which continued for eight weeks. Each contestant played 28 individual games, working on a time limit of 30 moves in 10 minutes. When the smoke had cleared, Robert Brieger, Dept. 6, emerged first-place winner, followed by R. R. Whittemore, also Dept. 6, in second place.

In the county tournament, 68 individual players representing Convair and other chess clubs in the city competed over a period of seven months. While the Naval Electronics Lab furnished the winner in this series, the Convair club placed two men in the top 12 positions. They were Munson and Norman Nippell, both Dept. 6.

Plans are now under way for the 1956 plant championship tournament expected to begin the latter part of January, Munson said.

Leonard Fugate New SD Radio Club Prexy, Succeeds Art Zagon

Leonard Fugate (K6CZE) of the training section at Convair SD was elected president of the Convair Radio Club at their meeting Dec. 15. He succeeds Art Zagon (W6UKU) who resigned due to an extremely heavy workload in Convair's electronics section.

Guest speaker at the meeting was M. C. (Spike) Leslie, also of the electronics engineering group at Convair, who discussed "Frequency Measurement." In the drawing for door prizes, merchandise awards were won by John Catterall (K6CZF), L. W. Turner (K6INV) and Roger Allen (W6MWV).

There will be no meeting Dec. 29, but the regular schedule will resume Jan. 12, 1956, when the speaker will be Fred Nickel (W6CKZ) of Navy Electronics Laboratory.

Ski Club Selects Officers For 1956

New officers for the Convair SD Ski Club were announced this week.

They are: John Maloney of Dept. 6, who succeeds Ralph LaVine as president; Chuck Taylor, Dept. 3, vice president; Donna Damico, Dept. 6, secretary; Syl Weindling, Dept. 6, treasurer.

'Snow Fever' Gathers Way Among SD's Sportsminded

Convair San Diego has a bad case of "snow fever."

At least there have been two takers for every reservation members of the Convair SD Ski Club have been able to acquire for a four-day ski trip this week.

The ski fans, some 60 to 70 strong, will invade Paramount Lodge at Big Bear, Friday, to enjoy a New Year's outing.

Commissioner Joe Harris originally asked for 35 reservations, basing his request on previous turn-outs. Immediately after the trip was announced, he found himself with almost 70 requests for reservations.

"We have been assured of at least 60 reservations and even yet may be able to take care of everyone," Harris said.

The group will take part in skiing, ice skating, dancing, singing and dinner parties over the week-end.

Meanwhile, plans are being formulated for the group's Jan. 3 meeting at the Museum of Natural History, Balboa Park, beginning at 8 p.m. At that time, they will map out plans for additional trips to various ski resorts. The club is open to all CRA members. Membership entitles each person to one free ski lesson at Snow Summit, the Skier magazine, and membership in the Far West Ski Association.

ALL TOGGED OUT—Joyce Simon of Dept. 6 SD, left, and Diana Thorpe of Dept. 410 try out some ski clothes as snow season gains headway. Both belong to CRA Ski Club.

Eight Teams Capture Turkeys in Best-Ball Tourney at Border

Eight teams placed in the CRA partnership best-ball turkey sweepstakes held Dec. 17-18 for Convair SD golfers at the Agua Caliente links.

John Meyer and Grant Nygren (both Dept. 70) teamed to produce a net 64 best-ball to lead the field. Two strokes back were Alex Gibson and John Dyer (both Dept. 6). Carding 67s were the teams of Lynn Kline (Dept. 522)—Walt Rye (Dept. 202) and Jim Williams and Phil Parker (both Dept. 24). Robert Dodson (Dept. 31) and William Jaynes (Dept. 6) were in a tie with three other teams at 68. The others were Fred Harwood and George Ganger (both Dept. 31); George Kobets and Joe Nunez (both Dept. 31); Jack Viskil and Claude Maine (both Dept. 6).

CRA Commissioner Russ Osgood said that plans were not yet firmed up for the January events, but that an entire tournament schedule for 1956 will be announced soon.

TOM LITTLE TOP SD PISTOL MARKSMAN

Tom Little of plant protection at SD is the top pistol marksman of 1955.

Little ended the year with an aggregate score of 2,491 points scored in competition, out of a possible 2,700.

As San Diego's number one man, he heads the next quarter's team which includes Russ Oliver, George Claxton, Joe Williamson and Bill Dittmann.

New CRA Pistol Club officers will be elected after the Jan. 8 shoot at the SD Police Pistol Range, CRA Commissioner Ash Bishop reported.

Quiz Answers

Try yourself with the questions that are on pages 4-5.

No. 1: (A) is Dr. Frederic de Hoffmann, a General Dynamics vice president who during the year was appointed general manager of the new General Atomic Division. (B) is Gordon Dean, former chairman of the Atomic Energy Committee, now a director of General Dynamics Corporation and since the summer of 1955 the senior vice president-nuclear energy. (C) is Dr. Edward C. Creutz who during December was appointed director of research for General Atomic. (D) is Dr. Charles L. Critchfield whose appointment as Convair director of scientific research was announced in April.

No. 2: Tommy Bolt, the professional golfer, shown at right after collecting first money in the 1955 San Diego Open sponsored by Convair. The gentleman on the left, who handed him the check, is John Jay Hopkins, chairman and president of General Dynamics Corporation, a pretty fair golfer in his own right.

No. 3: Quite true. This was one of many major steps the chairman and president of General Dynamics took during the year in his broad program to harness the atom for the benefit of mankind.

No. 4: About one foot. Photo was of a rocket-powered model that spins around a pylon, attached by a six-foot piano wire.

No. 5: Stromberg-Carlson of Rochester, N. Y.

No. 6: It is the XF-92, the first delta wing, now a traveling Air Force exhibit.

No. 7: The pilot is A. B. Treffer of the Convair colony at Holloman AFB. He wore this headgear for a while, at least, after each flight, as a gag; though maybe it's worn out by now.

No. 8: Either way. The seats, which also fit the R3Y, can be faced either forward or backward, as desired.

No. 9: B-36s. It was impracticable to return the planes to Fort Worth; so the men were sent to the planes.

No. 10: John Jay Hopkins. Industrialist of the Year in the U. S.

No. 11: She was Fairest of the Fair at the Southern California Exposition and San Diego County Fair.

No. 12: It was a bow-loader, which permits the plane to run onto a beach and discharge troops or materials through the nose, in the same manner as landing craft of war days.

No. 13: TF-102A, the two-place trainer for Convair's supersonic F-102A.

No. 14: Carburetors is incorrect. One of the company's founders later gave his name to another concern, which manufactured carburetors.

No. 15: Pilot J. M. Fitzpatrick, shown during question and answer panel at SD Management Club meeting.

No. 16: Texas, of course. Fort Worth CRA's play area is over 80 acres in size and plans are elaborate, including swimming pools, golf driving range, ball diamonds, even boating facilities. San Diego is second with 45 acres.

No. 17: The 500-mile-an-hour class and turboprop power. Considered are four Bristol BE-25 turboprop engines.

No. 18: It is new fire fighting armor (B) adopted for San Diego and Palmdale. Suit reflects heat.

No. 19: The 20th. Anniversary was observed with a banquet for some 200 who were at San Diego at the time and are still with Convair.

No. 20: F-102A, of course. Occasion was Air Force gunnery meet in Yuma, Ariz.

No. 21: Yes. Aero O/Y of Finland is negotiating to fly Model 340s Helsinki to Moscow.

No. 22: Search and Rescue.

No. 23: For new identification cards, required by government regulations.

No. 24: This was an inscription on the last commercial Model 340 fuselage. Convair answered by going into production on the Model 440.

No. 25: The fuselage shape, which in the F-102A gives an "hourglass" effect. Also nicknamed "Coke Bottle Shape."

No. 26: A "parasite" fighter is nosing up to the GRB-36. Improved versions of this "aerial airfield" have been in test at Fort Worth this year, using an RF-84F jet.

No. 27: True. They were retained to consider special problems in development of military aircraft and missile systems. Also, to study basic nuclear research and industrial applications.

No. 28: Leah Nelson, who posed for Convair SD Camera Club.

No. 29: The first F-102A performed supersonically on its second flight, Dec. 21, 1954, with Pilot Dick Johnson flying.

No. 30: Climatic tests. A special hangar is used where the temperatures can be raised to 165 degrees above zero, or to 65 degrees below.

No. 31: False. This is a 20-foot-high photo reproduction of the XFY-1 which was part of last year's Christmas decoration at Plant 1, San Diego.

No. 32: Claiming Pike's Peak for Texas, which Colorado governor lost in football bet to governor of Texas. Picture was a gag to plug NAF convention in Fort Worth.

No. 33: Model 440, the Metropolitan, for which Convair has orders for 58.

No. 34: Armament testing (1) is correct for this one.

No. 35: (A) is Robert C. Tait, president of Stromberg-Carlson which joined General Dynamics as a division during 1955, at which time Tait became a senior vice president of General Dynamics. (B) is Robert B. Watts, Convair vice president and general counsel, who during 1955 served his first year as a director of General Dynamics. (C) is Col. Leonard J. Hutton who became Air Force plant representative at Convair Fort Worth during 1955. (D) is Andrew Kalitinsky who during 1955 was named manager of Convair FW's nuclear research and development department. (E) is Ralph Bayless who during June took over as the new chief engineer at Convair San Diego. (F) is J. F. (Skeets) Coleman, San Diego pilot, winner of the 1955 Harmon International Aviation Award for his work piloting the XFY-1.

No. 36: True. Convair FW has a chamber in which engineers have duplicated cabin conditions of B-58.

No. 37: To help protect Air Force crews from heat radiation after test atomic bomb drops, such as those SAC crews carried out in the Nevada desert.

No. 38: This photo of the atomic submarine Nautilus was taken during its first sea trials in January, 1955. Electric Boat Division built this undersea craft.

No. 39: Yes. One parent who has completed at least five years of accredited service with Convair.

No. 40: Yep, it's walnuts.

No. 41: SAS, the Scandinavian Airlines System which serves Denmark, Norway and Sweden as well as the continent of Europe and such distant points as Tokyo.

No. 42: A trough of water between the rails comes in contact with a scoop beneath the sled, thus slowing it to a halt.

No. 43: True. It was, incidentally, a new turboprop record.

No. 44: (A) As a trainer for F-102A pilots primarily (though it can also be used as an operational intercepter if required). (B) The nose section.

No. 45: The President's Award is bestowed annually at each of Convair's plants for the best record in submitting Cost Improvement Proposals.

No. 46: Kelly Air Force Base is at San Antonio, Texas, not Fort Worth.

No. 47: The XC-99, holder of more cargo carrying records than any other airplane in the world.

No. 48: The USS Boston, during commissioning ceremonies. She is the U. S. Navy's first guided missile cruiser. Previously, the Terrier had been tested at sea aboard the USS Mississippi.

No. 49: The team went east from San Diego to retrieve a Model 340 that made a forced landing. Plane was shipped to San Diego and repaired. It was quite a remarkable undertaking.

No. 50: Tiny parachute is used to recover "bullet" which has been fired through artificial rain in SD tests.

No. 51: Answer is B-52. This was first panel shipped from Fort Worth to Wichita for Boeing.

SD Polio Victim Wins Midget Car, Doesn't Know it

A Convair San Diego son, who has suffered from polio since 1950, was the owner of a new Junior Thunderbird this week—only he doesn't know it.

The boy, Marty Hare, 9, son of William S. Hare of Dept. 528-5 at SD, won first in a color drawing contest sponsored by City Motors, National City Ford dealer. Beside the midget auto, he won a mink stole for his mother. His entry was judged best from among more than 1,000.

Meanwhile, Marty could not be reached with the news. Recently released from the Los Angeles Shriners Hospital after corrective surgery, the boy is vacationing with his mother and father somewhere in Texas.

Manager Bill Collins of City Motors contacted Convair SD employee services in an effort to locate the family. When informed of the circumstances—and the boy's long battle against polio — Collins made this an exception and will hold the prizes as a post-Christmas gift.

Council Confirms Safety Record

(Continued from Page 1)

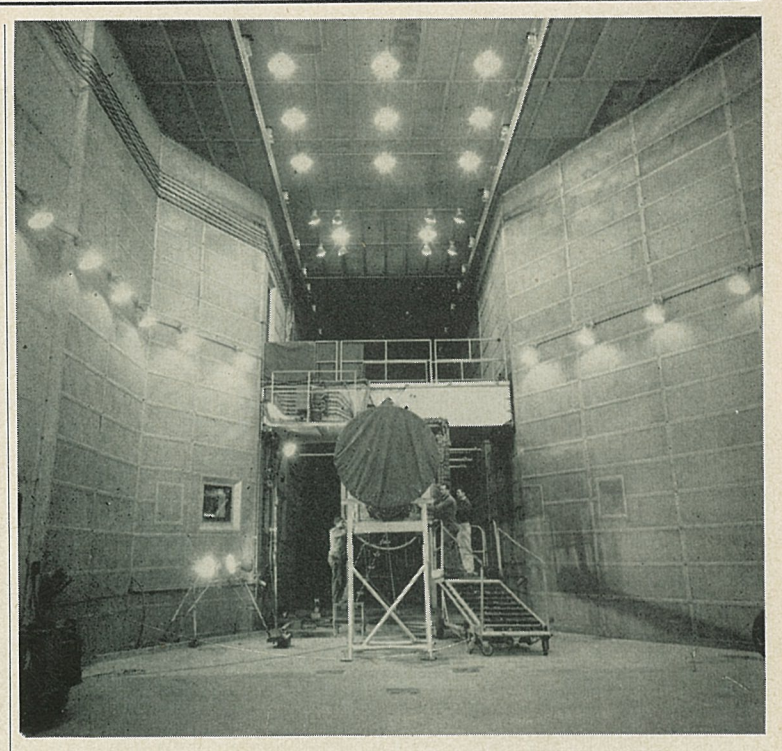
this year) also was a record. (Evidently, the Council now does not consider Hughes Aircraft as in the "airframe" division, and therefore a mark set by Hughes of 8,755,340 manhours is not recognized for this industrial classification.)

Until Convair SD started breaking the previous marks, North American of Los Angeles led the field with 5,608,573 manhours worked without disabling injury during 1951; and Lockheed of Burbank with 3,512,127 manhours recorded in 1950.

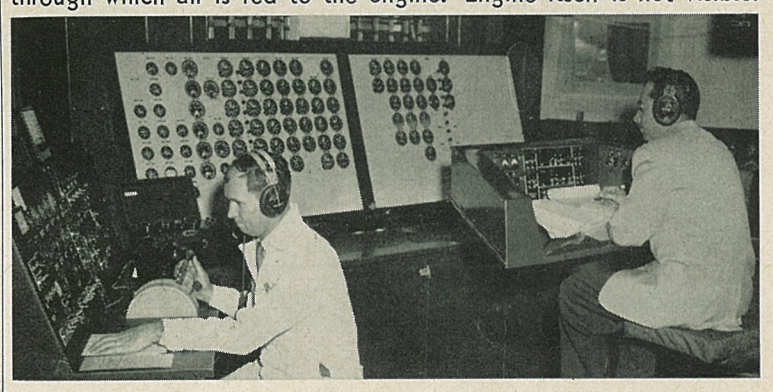
"It is gratifying to know that twice this year, our thousands of employees have worked longer than two-month periods without lost-time accidents," B. F. Coggan, San Diego manager, commented.

"Our national safety record has been made possible by the wholehearted cooperation of all employees, nearly 1,000 of whom have served as members of the workmen's safety committee," Coggan explained.

Convair's program for 1955, which stressed safety education throughout the plant, was supervised by M. C. Val Dez, SD chief safety engineer.



READY—Getting engine ready for pre-B-58 flight test program are these Dept. 64 employees, J. E. Lackey, R. O. Jameson and L. E. Cox. They're shown in enclosed engine test stand in northwest yard area at Convair Fort Worth. Tarp covers a bell-shaped piece through which air is fed to the engine. Engine itself is not visible.



AT CONTROLS—L. G. Gilbreath, left, Dept. 64 assistant foreman, mans controls during test in enclosed engine test stand while flight test engineer Charlie Harrison keeps close watch from his station. They're performing actual test on engine for B-58.

Ground Runs in Progress On Jet Engine For B-58

First actual engine tests are now under way at Convair Fort Worth as part of the intensive B-58 pre-flight test program.

And, as with all other phases of the B-58 program, work is under wraps. This time activity is in the shelter of the mammoth new enclosed jet engine test stand in the northwest corner of the yard area.

Heading pre-flight engine tests is Charlie Harrison of engineering flight test. Development department crews make the test set-ups and operate the engine.

Object of the tests is to check out engine nacelle design for the supersonic bomber and to learn how the high-powered jet engine performs on the ground.

"Tests that would show exactly what the engine will do in flight are impossible," said Harrison. "But we can learn everything that's possible short of flight itself."

Running the powerful jet gives the engineers the information they need on power, fuel and oil consumption and the like. At the same time, instruments give various pressures and temperatures throughout the engine.

All of the plane's systems that depend upon the engine—such as air conditioning and heating—can be checked, as well as some electronic systems.

When the engine is operating in the cell, L. G. Gilbreath, Dept. 64 assistant foreman, and Harrison are in position inside the soundproofed control room.

Gilbreath keeps a close watch on the three-panel instrument board. Harrison sits behind and above him in a newly-installed flight test engineer's station.

Cameras photograph the instrument readings for permanent records of results under varying conditions.

"It's actually better for these tests to be made now without waiting for the plane," said Harrison.

"This way we can find out what we need to know—and clear up some of the wrinkles—before the plane is built."

Ailing Jet Latches Onto GRB-36 For Safe Landing

A GRB-36's "sky hook" saved the Air Force a $500,000 airplane — and possibly a pilot's life — at Fairchild Air Force Base, near Spokane, Wash., on Dec. 12.

The unscheduled rescue of a disabled jet fighter plane in mid-air was made by an Air Force GRB-36 crew just learning the "Ficon" operation. But two Convair Fort Worth Ficon experts were aboard, Pilot Larry Brandvig and R. E. Fisher, trapeze operator.

The official Air Force account of the dramatic incident was brought back to Fort Worth last week by W. T. Pietrzak. He and Rex Reardon, both of engineering, as well as Brandvig and Fisher, have just returned from duty at Fairchild. Senior Field Engineer Don Martin remains on duty there.

Capt. F. P. Robbinson was flying an RF-84F Thunderflash jet fighter toward a GRB-36 after dark. Maj. Jack R. Packwood was at the GRB controls, and M/Sgt. Herbert Carter was operating the boom to which the jet fighters attach themselves for a free ride.

Warning lights flashed suddenly in the jet's cockpit. This told Capt. Robbinson that the plane's hydraulic boost system would be gone in a matter of minutes and a very few of them.

With the boost system out, the pilot is helpless to do anything but bail out. Without it, he can't land safely—at least not on the ground.

Capt. Robbinson immediately radioed Maj. Packwood that he'd have to hook on to the GRB-36—and quick. Or he'd have to abandon his plane.

Despite the darkness and the urgency, the hookup was made in a routine fashion.

Although it hadn't been planned that way, Maj. Packwood went on to Fairchild and landed the GRB with the disabled jet nestling safely in the bomb bay section.

The Air Force quoted Capt. Robbinson: "The GRB-36 was the best emergency alternate I ever heard of. If it hadn't been there, it's a cinch I would have had to bail out."

This same Air Force crew had made 19 successful hookups and drops earlier in the day.

Cal Tech Professor Speaker For ASM

Dr. Pol Duwez, professor of mechanical engineering at California Institute of Technology, spoke before the San Diego Section, American Society for Metals, at the group's Dec. 15 meeting at the IAS Building, Harbor Drive. He discussed "Fundamental Problems in High Temperature Materials." T. E. Piper, assistant to Convair's executive vice president, is chairman of the chapter.